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OCTOBER 1991

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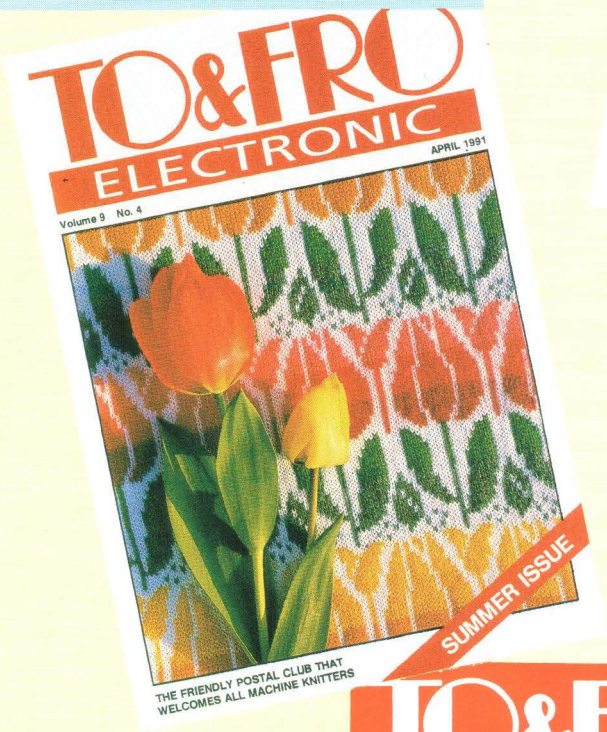

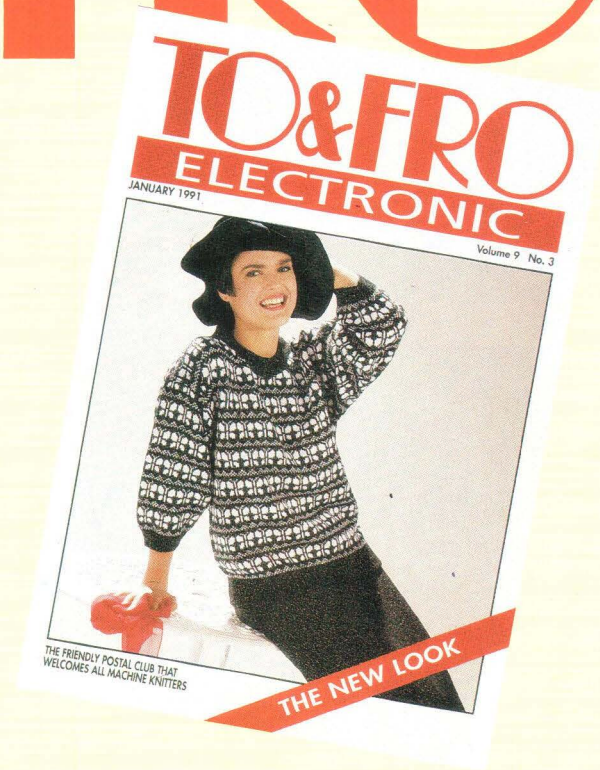

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FROM THE EDITOR

Well, we promised an extra SPECIAL issue for October and here it is! You'll find the FREE Thread & Yarn Holder a useful item for your accessory box — perhaps to keep your nylon cord tangle free and tidy or for ready cut contrast threads which will always be handy for your tension swatches — no doubt you will think of many uses. These accessories are, of course, ideal for Intarsia work, especially where you need to use small amounts of colour, or lots of colours across a row where detail is intricate. This month's Swatch Spot gives you the opportunity to try out your Yarn Holder with some striking 'Eastern' Intarsia ideas.

You'll also have the opportunity to enter our special COMPETITION and win the latest SILVER REED AG 50 Electronic Intarsia Carriage *PLUS the new* KR 11 Knit Contour. *These super accessories really do offer a whole new concept to Intarsia knitting with the facility to knit up to FIVE different colours across a row. Read our special report and competition details to find out more and don't miss your chance to win!*

We've also included a SPECIAL 'designer' garment in this issue for your autumn wardrobe — this shawl collar jacket is a classic stocking stitch garment which features delightful designer detail worked with the Newey TOPSTITCHER. To inspire you further, discover more about this versatile and easy to use accessory in our special TOPSTITCHER feature.

There's plenty to keep you busy in this month's Modern Knitting so I'll leave you to it!

SUE WATSON

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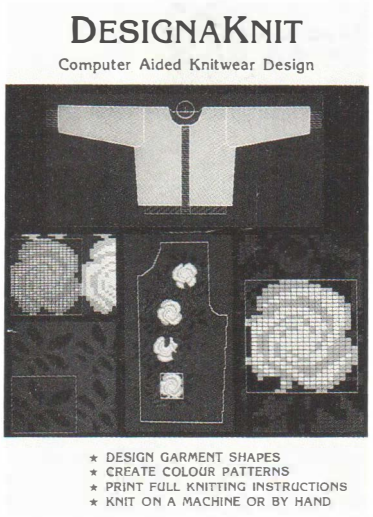
Our Telephone number is (0628) 770289.
Our Fax number is (0628) 777335.

KNITLINE

DESIGNAKNIT

Computer Aided Knitwear Design is here to stay and offers machine knitters the opportunity to be really creative. The latest 'DesignAknit' programs from Soft Byte Ltd have tremendous potential when it comes to design possibilities.

DesignAknit Version 4 now offers more garment shapes and styles to choose from and the body measurements can be adjusted on screen for a tailor-made fit. You can opt for one of the basic raglan, set-in, square or saddle shoulder shapings or you can even design your own set-in sleeve type. Further options start when you come to make the choice of colour combinations and patterns — the patterns are drawn on to stitch related grids which match up with your tensions. There is also the facility to


DESIGNAKNIT
Computer Aided Knitwear Design
★ DESIGN GARMENT SHAPES
★ CREATE COLOUR PATTERNS
★ PRINT FULL KNITTING INSTRUCTIONS
★ KNIT ON A MACHINE OR BY HAND

draw with the mouse or the keys on a whole garment piece and you can even try out the effects of combining different stitch patterns or superimposing the 'cut-out' garment shape over a pattern to get the best effect.

Once you are satisfied with the completed design, the knitting instructions can be printed out either in full or condensed form. It is possible to print a grid showing a single pattern repeat or every stitch in the garment piece. Knitmaster/Silver Reed and Brother owners will be able to use the print facility to print out an outline the right size for their Knit Radar/Knit Contour or KnitLeader and miniature outlines are possible for blocking measurements as well as templates for punchcards or mylar sheets!

The program comes with a tutorial which takes you through each of the planning stages and a 90 page manual is also supplied. In case of difficulties, you can use the 'help line' — just use your telephone and Soft Byte will help you with any problem or query which you encounter whilst getting acquainted with DesignAknit.

The hardware requirements are an IBM PC, XT, 286, 236 or compatible computer with 640K RAM, and a hard disk is recommended. You can use a 512K RAM computer if you have an EGA screen. An EGA or VGA screen is required plus any dot matrix, laser, or ink jet printer which can emulate Hewlett Packard lasers, Epson dot matrix printers, or the IBM Proprinter.

DesignAknit costs £110.45 including VAT. Colleges, universities and businesses can obtain extra 'lives' for £20. A demonstration disk is available for £10, refundable against the purchase of the full system.

The DesignAknit Professional is a new program which has been developed to cater for the needs of professional designers. With this program there is complete freedom to design the exact shape and stitch layout for each garment piece. You can either begin with one of the standard DesignAknit shapes or draw your own outline, adjusting or adding to it as required using the special shaping program. There is the facility for selecting measurements and for checking how the garment pieces will fit together, plus a zoom in facility which allows you to work closely on detail for small areas. A special feature of this program allows the garment pieces to be rotated on screen through any angle — extremely useful when designing bias or sideways knits. There is also an 'exact stitch layout' which shows how the stitch pattern will appear at the edges of the garment piece — fine adjustments can then be made to obtain the desired result.

The package includes the standard DesignAknit and comes with an extended manual, the standard version tutorial and a helpline, at a cost of £159.80 including VAT. The hardware requirements are the same as for the standard version of DesignAknit. Further information from:

Soft Byte Ltd,
Quarry Lane,
Nantmawr,
Oswestry,
Shropshire SY10 9HH.
Tel: 0691 828556.

NEW YARN MARKET

Industrial and well known branded yarns are now on sale at a recently opened yarn market at Standerwick, Nr Frome, in Somerset. **'BODKINS'** is a new venture for machine knitter Anne Newman and her man and they are offering coned yarns at very competitive prices (Bramwell, Shamal, Forsell and Bonnies). This is a small, friendly family run business where you will be welcomed with a free cup of tea or coffee. The market is open every day except Thursdays and Sundays, or any time by prior arrangement. There is also a mail order service and a local delivery service (within a radius of 25 miles).

The full address is:
Bodkins Yarn Market,
Dilton Farm Road,
Standerwick,
Nr Frome,
Somerset BA11 2PZ.
Tel: 0373 824252.

EXPRESSION

The annual London exhibition has a new title this year — **'Expression — The Knitting & Stitching Show'**. The venue is Alexandra Palace and this year, the show will embrace a wide range of creative crafts, new features and free workshops.

If you've never been before, go along this year and take inspiration from the wide variety of textiles, yarns, kits, books — in fact, absolutely everything for needlecraft, hand and machine knitting and other specialist crafts, including doll making, quilling, spinning, chair caning, dried flowers and much more.

There will be plenty of unusual and interesting displays in the galleries including Antique Dolls, Antique Clothes, the Era of Film illustrated by the costumes worn by the stars, 20th Century Toys, and Fans. If you would like to see Kaffe Fassett's first-ever design for a bedspread, look out for the great splash of colour and design in the 'Kaffe Fassett Bedroom'.

Dates for your diary are Thursday 24 to Sunday 27 October. Admission is £6 (£1 for children). Phone 081 692 8848 for leaflet and advance booking information.

NEWS FLASH

We're just in time to tell you about a special promotion for Nina Miklin's Italian Yarns. Two stockists in Avon are organising this promotion (which takes place during the last week of September) for Nina's latest additions to her excellent machine knitting yarn range — **BELLINI**, an Alpaca/Kid Mohair/wool blend and the latest **LAMÉS** and **METALLICS**.

Nina will attend in person with her complete range of yarns and designs on 25 and 26 September at **Caffle Crafts** (Clevedon) and at **Fleece From Leece** (Weston-super-Mare) on 27 and 28 September.

Special Knitting Club meetings are arranged for the evenings and for details of these, please contact:

Jane Thomas — 0272 877378 for Clevedon and Ann Leece on 0934 633783 for Weston-super-Mare.

Nina has also recently extended her range of **ANGORA** on cone to 17 exquisite colours (available on 50g, 300g and 350g cones. Nina says that there has been a tremendous consumer demand for high quality Angora at a reasonable price and her 50g cone retails for £8.00, which

KNITLINE

compares very favourably with the normal 20g or 25g ball sold in the shops for between £4.90 to £8.00. 50 grams will go a very long way and a 300g to 350g cone will knit a jumper or cardigan size 34 in to 46 in.

The added bonus of using a coned supply of this luxury yarn is that there are less ends to sew in, no waste and no re-winding. A fringe card of ANGORA is now included in the standard set of shade cards. To obtain the complete set of shade cards plus knitting tips, updates and price list, send SAE plus £3.50 to:

Nina Miklin,
PO Box 1720,
London W9 1TT.

Anne Kent and Pauline Murphy are holding a **MACHINE KNITTERS' DAY** in Sanderstead (Surrey) on Saturday 5 October between 10am–4pm. The guest speaker is **John Allen** and entry is by programme only (£15 for the day to include coffee/biscuits, Buffet Lunch, Tea/cakes). Enquiries: Anne Kent — **081 657 5740**.

LITTLE POSH FROCKS

Ann Brown of Posh Frock fame has just released a new book with colour pictures featuring **Little Posh Frocks**. There is a mix of new designs and 'little' versions of Ann's popular Posh Frock styles for ages 2–10 years. The pretty suits and dresses are knitted in a variety of yarns including Bramwell's Hobby and Bonnie's Sable Crêpe decorated with Citadelle viscose tape, a fine viscose thread and Yeoman's Butterfly. Included in the book is a woven mohair jacket which can be worn with any of the frocks.

You will be able to see all the Little Frocks on show at the Hastings Seminar (12th/13th October), but if you can't make it, why not send a SAE for details of this super collection to:

Little Posh Frocks,
35 The Links,
Whitehill,
Bordon,
Hampshire GU35 9HB.

FUN KNITS

Two booklets containing electronic designs by Elizabeth Long are now available through Mellors Munro.

'Electronic Fun Knits Book 2' (price £4.25) is the sequel to Elizabeth's first set of designs — this time choose from a clown (59sts × 129 rows), Bo Peep and Sheep (78 sts × 119 rows), Jack-in-the-Box (67 sts × 96 rows) plus 13 other fun ideas for children. A basic 4ply round-neck pattern is provided with knitting instructions for 20–32 inch chest.

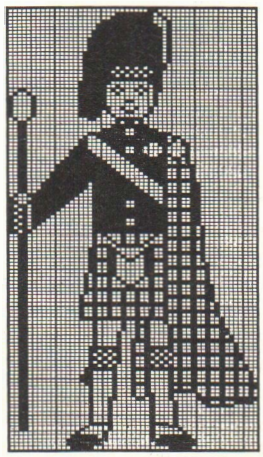
'Scottish Electronic Fun Knits' is a selection of 10 motifs from Scotland, including pipers, 'Mac Haggis' and 'Nessie'. Again, the basic 4ply sweater pattern is included and the booklet costs £3.99.

Also recently available from Mellors Munro — **'Basic Books'** for **Drop-Shoulder** and for **Set-in-Sleeve** styles, to add to their existing range. These include DK, 4ply and 3ply patterns for basic sweater and cardigan styles in a size range from 56 cm to 127 cm, and cost £2.50 each.

For full information on these and other books, write to:

Mellors Munro & Co Ltd,
23 Main Street,
Bradley,
Skipton,
North Yorkshire BD20 9DG.
Tel: 0535 635292.

SCOTTISH ELECTRONIC FUN KNITS



Elizabeth Long

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We have metallic threads to add a little extra sparkle to evening wear.

For a full details, list of patterns and brochure send £1.50 (refundable) to:-

Celandine

CELANDINE LIMITED (MMK)
44, KIRKGATE, OTLEY
WEST YORKS. LS21 3HJ.

Tel: (0943) 466640

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KNITLINE

NEW FROM IN-EX

Many knitters will be familiar with the In-Ex steaming method which gives a very quick and professional finish to knitted skirts. Now, there are four new products to look out for from In-Ex Systems Ltd!

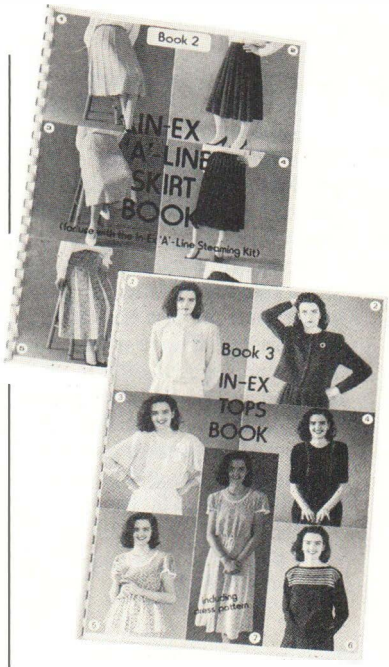
The **'A'-line Skirt Book**, for use with the 'A'-line skirt steaming kit, contains 6 different skirt patterns in a variety of stitch patterns including weaving, tuck stitch and Fair Isle. Shell hems are also featured and there is interesting use of contrast colours with yarns from the Bramwell and Yeoman ranges.

The **'In-Ex Tops Book'** provides the perfect solution to turn the 'A'-line skirts, and shadow pleated skirt designs from the first book, into complete outfits! Use the tops patterns to match up and co-ordinate with the skirt designs and yarns. Both books cost £5.95 each.

£3.50 will buy you a useful pair of **'Knitters Scissors'** in quality stainless steel to keep handy in your sewing up box and, lastly, don't miss the latest **'Add On'** accessory for the 'A'-line skirt steaming kit, which adapts the kit for steaming a fully pleated skirt. The basic pattern in sizes 10 to 20 is knitted in 3ply and 1ply acrylic (Bramwell's Duomagic and Silky), to give an ideal weight skirt style, suitable for all occasions — price £3.95.

All product prices include p&p and are now available from:

In-Ex Ltd,
35 White Horse Road,
Windsor,
Berks SL4 4PJ.
Tel: 0753 857009.



AUTUMN COURSES

This is always a busy time of year when it comes to publishing the latest information on what's on offer in the way of knitting courses for the autumn/winter. We have received so many details since our September issue went to print that we feel we should give you a special corner for 'last minute' choices. Some details concern classes which may have already commenced, but it might well be worth an enquiry, as spare places often become available. In some cases, it might not matter if you have only missed one or two sessions.

Shrewsbury College of Arts and Technology, London Road, Shrewsbury SY2 6PR are offering the following courses in machine knitting:

Beginners' Course (10 weeks) on Wednesday evenings, starting 18 September.

Beginners' Course (5 weeks) on Saturday mornings will also be on offer.

Ribber Course (10 weeks) on Thursday evenings, starting 19 September.

More advanced courses can be arranged if there is sufficient demand. Contact Bill Morris at the College — **tel: 0743 358898**.

De Haviland College, The Walk, Potters Bar, Herts have plenty on offer. For those with some knitting experience **'A Design course for Machine Knitters'**, to be run by tutor Maggie Andrews, starts 19 September (10am–12 noon) and will run for one year in three separate modules:

Term 1 (September to December): Designing and making your own fabrics and punchcards.

Term 2 (January to April 1992): Designing and making

KNITLINE

sweaters and jackets to measure.

Term 3 (April to June 1992): Designing and making skirts to measure and various knitted trimmings.

For all abilities, there is an afternoon course entitled **'An A to Z of Machine Knitting'**— which will run for one year and cover all aspects and techniques of machine knitting and which will be geared to the student's own needs.

At the same college, find out more about four **'Saturday Specials'** (10am–4pm) on the following dates and subjects:

12.10.91 — Decorate a plain jumper.

30.11.91 — Christmas fun with a knitting machine.

1.2.92 — Single motifs and variations.

14.3.92 — Knit a summer top to fit and go home wearing it!

Contact the College on **0707 326318** for details.

CLUB CORNER

A small but enthusiastic knitting club near **Langport, Somerset**, would like to increase their membership. The informal monthly meetings take place in the home of the Organiser, Kathleen McCarthy, and she would like to invite you to join in. Just give her a call on 0458 250556 to find out more.

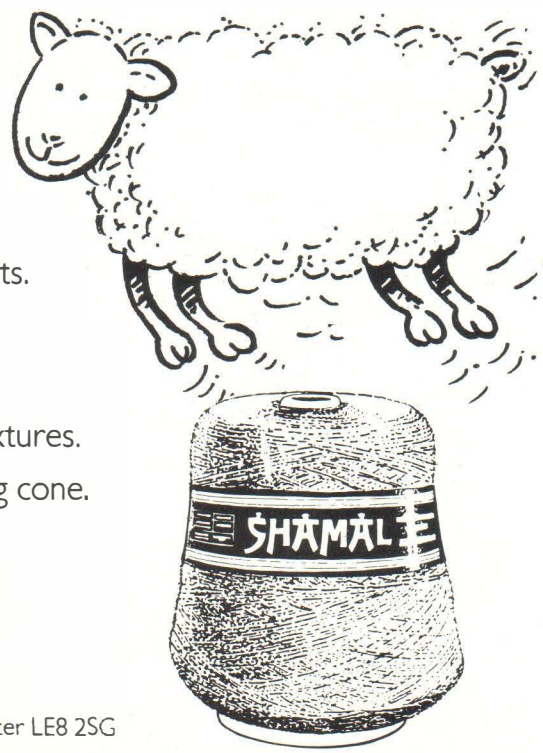
The **Ewenique Knitters of New Earswick** meet twice monthly on the second and fourth Monday afternoons at The Folk Hall, New Earswick. Short demonstrations and informal discussions are interspersed with refreshments for a cheerful and relaxed atmosphere. Plans for this Autumn include a Jones-Brother Demonstration and also a visit from Trisha Whitfield, when she will cover her amazing pressing technique. Further information and club details from Jean Close (0904 83230) or Frances Bell (0904 470309).

A change of venue for the **Bitterne Machine Knitting Club** to Kanes Hill School, Hinkler Road, Thornhill, Southampton — meetings on the third Thursday of each month from 7.30pm–9.30pm. Lindsay Probert (machine knitting tutor) remains resident demonstrator. The club has had several well known speakers including Ann Brown (Posh Frocks) and Pam Turbett (cut & sew) and one of the first speakers at the new venue will be Jo Beedles and Swiftknitters. This is a popular club which has expanded quickly. Bonita Dunford welcomes enquiries and can give full details of the club if you telephone her on 0703 474870.

The Windsor Club have a new committee this autumn and have asked us to publish details of their meetings which take place on the third Wednesday of the month at the Gardeners Hall, Windsor, starting at 7.30pm on 18 September. Enquiries to Bridget Bowyer — tel: 0753 864046.

Members of the **Bo-Peep MK Club** in Chessington have celebrated the end of their first year by voting to continue along in the same 'co-operative' spirit, with the re-election of their existing officers for a further term. The club has successfully grown in numbers to a membership of 34 and changed venue to the Hook Community Centre, Chessington (just off the Ace of Spades A3 Roundabout). Prospective members are welcome to attend meetings which are held on every third Tuesday. Secretary Pat Taylor will have further information on the club and its activities. Her telephone number is 081 397 0199.

Shamal adds life with 20% wool



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POPULAR PETS

(Part 8)

By Jo Newton

Every month, our Popular Pets feature will provide you with some delightful motifs — for both electronics and punchcard machines. Collect our pet designs every month and build up your own exclusive Popular Pet Collection.

PURRING KITTEN

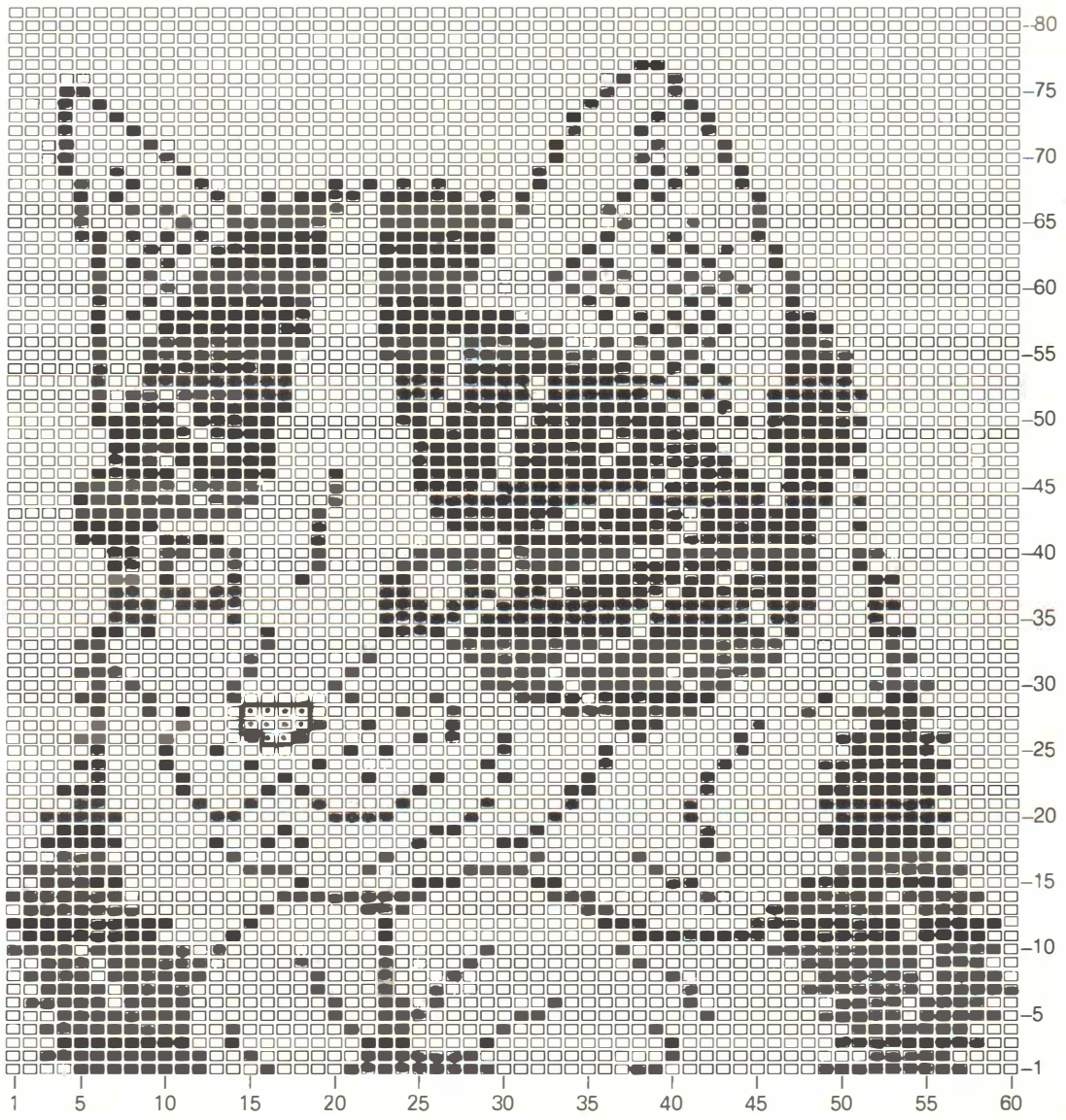
As Autumn draws on, kittens may soon hope to sit purring on someone's knee in front of the fire! Alternatively, the pictures this month could depict a 'mouse eye' view from his hole as the smug cat waits for him to emerge!

There is plenty of scope for different colour schemes with these complementary designs, which could be worked together by Electronic machine owners or those with the Intarsia facility. The large motif could go on the front of a jumper, with the 'Purring' pattern used above the welt and/or across the shoulders and the 24 stitch kittens on the sleeves. On the electronics, a couple more stitches could be left between the kittens. This design is also suitable as a single motif.

The eyes and nose have been Swiss darned on the Electronic/Intarsia cat motif and the eyes on the central kitten in the 24 stitch pattern.

PATTERN NOTE:
Yarns Used:
Forsell Shamal
520 black

Continued on page 10



POPULAR PETS *continued*

500 White
527 Hollyberry (Red)
546 Burnt Orange
552 Electric (Bright Blue)
Oddments of green, brown and pink for eyes and nose

Machines
Large Single Cat
For electronic machines or machines with Intarsia.

Kittens and Purring Pattern
For 24 stitch punchcard and electronic machines.

Note:
When using the punchcard charts to make an electronic design card, fill in a square where the punchcard chart shows a hole.

If you have any problems locating Forsell Shamal, please write to the address below for local stockists and mail order information, quoting this issue of *Modern Machine Knitting*.

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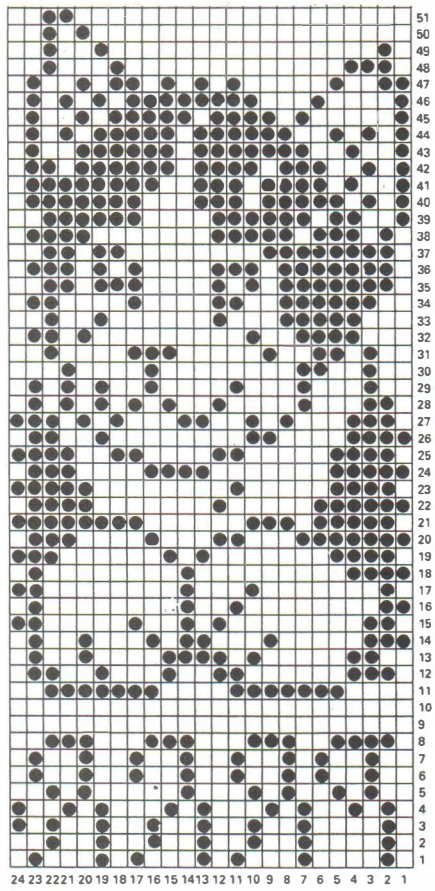

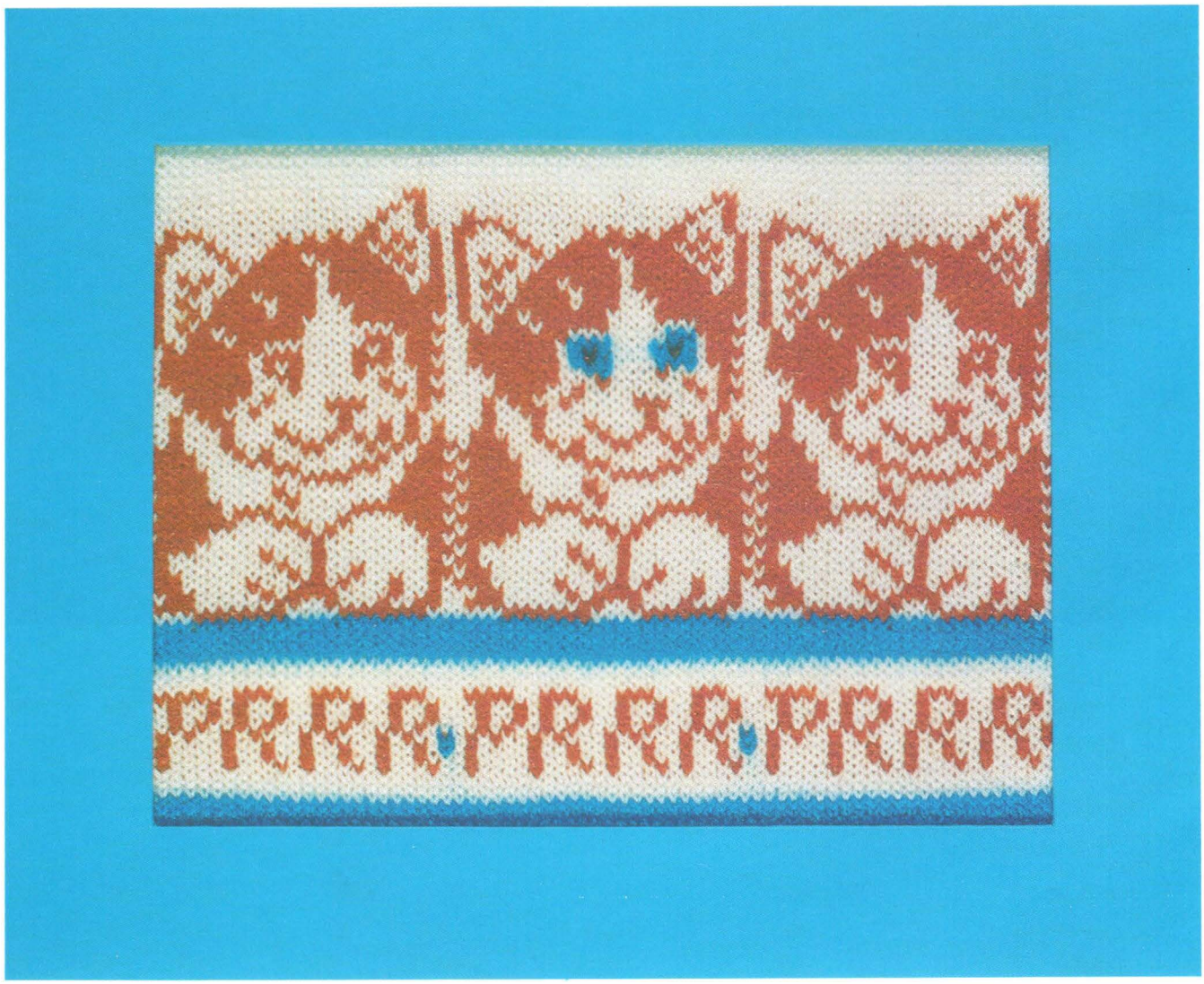

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CREATIVE COLOUR CHANGING

(Part 2)

By Shirley Cowling

The addition of a yarn changer can open up a wide range of exciting knitted fabrics. This month, Shirley illustrates a selection of single bed fabrics with the YC5.

The YC5 was designed primarily as a double bed changer, but that does not mean that single bed fabrics cannot be knitted with it. Far from it!

Enormous numbers of fascinating single bed slip and tuck fabrics can be created with the help of the YC5. We simply have to 'bluff' the changer into thinking that it is still knitting rib! This is done by keeping the ribber up in position, even though there are no stitches on the ribber bed. The arm and ribber carriage are still attached and the comb and weights are left in position throughout the knitting. We must also add the end 'Stitch Holders' between the beds and under the ribber needles. These gadgets press the edges of the knitting and the yarn, as it is knitted, against the Knitter Sinker Posts and force the stitches to knit, instead of leaving 'floaters' (unknitted stitches) at the edges of your work.

Obviously there is only room for one colour at a time in the ribber arm, so the one stitch pattern you cannot do is single bed Fair Isle. We will be looking at single bed Fair Isle knitted with YC6 in Part 4 of this series. Meanwhile, let us take a look at some of the stitches which can be knitted on the single bed with the YC5. To begin, it is necessary to cast on in some form of rib, but this is no hardship as many garments start with a welt. On completion of the welt, all ribber stitches are transferred to the main bed, maintaining the ribber carriage and arm, comb and weights, and adding the end Stitch Holders to control the stitches.

A few stocking stitch stripes will offer you some easy yarn changes, so just run through the four colours in two row stripes to see how the changer works now that the stitches are all on the single bed. The 'rule' of pausing at the edge of the work to check that only one yarn (and the one you really want) is in the feeder, obviously still applies — and will do, whenever you are knitting with any yarn changer. Also, make sure that you carefully watch your knitting all the time. If any stitches do 'float' you can quickly knit them by hand to avoid the disappointment of unwanted 'tucks' when you take your work off the machine. However, the end Stitch Holders should look after this problem for you, so do be careful always to add them once all stitches have been transferred to the main bed.

Paragraph 6, page 14 in the large instruction book shows you exactly where to put them. Once you feel confident to knit a stripe sequence, try the following samples using some of your basic cards with the patterning facilities on the main bed.

SAMPLE 1

This sample uses Card 1 in conjunction with the elongation facility in TUCK stitch — some of you will have Card 7 in your basic packs which does the same thing. This is the programme for the illustrated sample:

COLOUR	HOW MANY ROWS	RC READS
Mint	18	018
Jade	2	020
Mint	18	038
Lilac	2	040
Mint	18	058
Dusty Pink	2	060
		(end)

When knitting a sequence such as this, where some colours are used infrequently, it is a good idea to work the colours not in use up the side of the knitting by pulling the needle on the extreme left of the work to holding position at regular intervals (e.g. every tenth row) and winding the yarn over these needles to knit back on the next row. In this way they will be near the feeder, ready for use when they are next required. This also prevents the problem of a distorted edge which can occur where the yarn is pulled up too tightly from the previous rows below.

SAMPLE 2

This is another example of TUCK stitch, this time using Card 4 and changing colour every two rows:

COLOUR	HOW MANY ROWS	RC READS
Mint	2	002
Jade	2	004
Mint	2	006
Lilac	2	008
Mint	2	010
Dusty Pink	2	012
		(end)

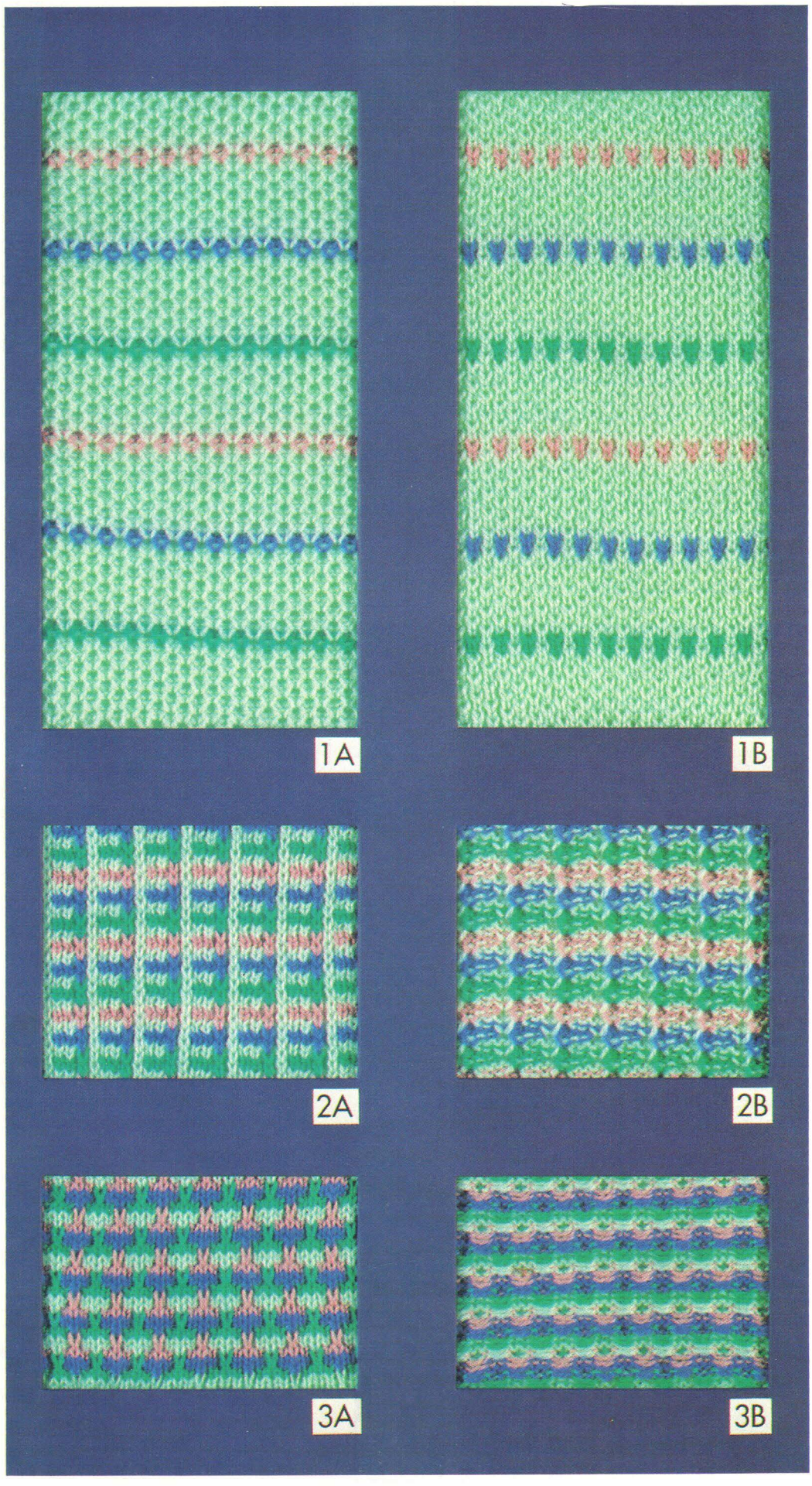
Both Samples 1 and 2 can be used on either side of the fabric as both sides look interesting. The pattern changes completely if you try a different colour sequence — try the same Card 4 but knit 2 rows colour A, 2 rows colour B, 2 rows colour C, 2 rows colour D — or try some variations of your own. You will certainly have several examples of multi-colour tuck and slip patterns illustrated in your instruction manual. All too often, we do not give these fascinating fabrics enough attention, owing to the necessity for frequent colour changes — but once you feel in control of your yarn changer, take a look at these stitches again and experiment further with them.

SAMPLE 3

This sample illustrates our old friend Card 3, changing colours in the 8 row sequence suggested above, but knitted with the Cam Lever set on SLIP instead of TUCK. It gives a very different appearance to the much more commonplace 4-row colour change sequence, and shows just a hint of the infinite variety of fabrics that are now within our grasp. Again, it is a fabric which can be used either side.

SAMPLE 4

For this sample, I have used Card 19 from the KM 700 basic pack and the SLIP setting, keeping Mint as the background colour throughout and changing it with a contrast colour every two rows. This pattern works well in just two colours but I have taken the idea further, changing from colour B (Jade) to colour C (Lilac) on row 34 with two rows plain stocking stitch between the block colour changes. It is easy to look out for those rows for each change and, to check that you are at the


1A
1B
2A
2B
3A
3B

right place on the card, push the button for the next colour every time card row number 33 is at the edge of the box. This ensures that the change comes at the beginning of each spiky shape.

SAMPLE 5

This is a variation of Sample 4, using the same pattern card and SLIP setting, but working a colour change sequence as given in Sample 2 (12 row pattern). Personally, I prefer the effect in Sample 4 where the spikes are more obvious — in this sample, they lose definition amongst the three contrast colours to produce an entirely different effect.

SAMPLE 6

With the ability to change yarns every two rows, we can now enter a new sphere — that of the magical world of maze and mosaic. We can already see from the instruction manual that patterns knitted with two row colour changes on the slip and tuck settings can produce fabrics with surface patterns which have little or no resemblance to the cards from which they were originated. For example, some basic packs contain Card 10 (triangles) and Card 12 (inclined blocks). The knitted fabrics for these cards resemble the pattern clearly when produced in Fair Isle or plain slip or tuck stitch but, when knitted in stripes on the slip setting, Card 10 creates the extraordinary effect of a capital 'T' and Card 12, the 3-stripe maze effect.

Kathleen Kinder has explored these ideas further in her two books entitled 'MOSAIC FLOATLESS FAIRISLE'. I have used her 'Dancer and Tree' design for **Sample 6** to illustrate this interesting technique (the two charts are reproduced for this article by kind permission of Kathleen from her orange book of 24 stitch designs — page 89). You will notice that the original design is illustrated together with a special 'working diagram' from which a punchcard can be made. Neither 'working diagram' nor resultant punchcard look anything like the original motifs, so using this technique can be quite a knitting adventure!

We can use this technique to design our own ideas by drawing what we wish to represent on graph paper. It is then necessary to make the 'working diagram' from our picture or pattern. On all odd numbered rows, we have to mark in the BLANK spaces from the odd rows on our original graph. On the even numbered rows, we must mark in the 'pattern' squares according to the even rows on the original graph (see Dancer and Tree charts). This is exactly the same procedure as for marking our own jacquard cards — namely, thinking out how to SLIP the background stitches and then the pattern stitches on alternate PAIRS of rows, and changing colour every two rows to fill in the gaps.

From your 'working diagram' you will be able to punch out a card, marking ALL the BLANKS on the 'working diagram' as the punched holes on your punchcard. The pattern must be elongated (i.e. every pattern row has to be knitted twice to accommodate the two rows in each colour worked with the colour changer). If your machine has the 'elongation' facility, you can punch out each row ONCE, as illustrated by my punchcard.

To understand how the technique works, check with me from the Kathleen Kinder diagrams illustrated:

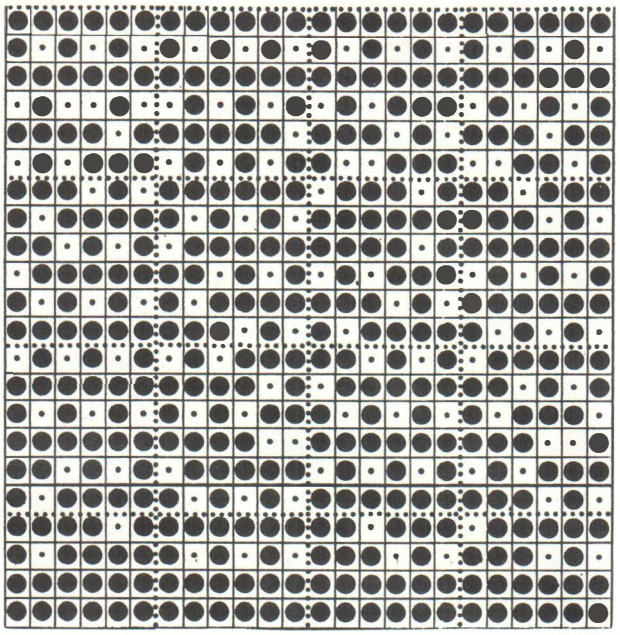
Row 1 shows 5 squares for the bottom of the tree. On the punchcard, these 5 are HOLES to be knitted in the CONTRAST yarn with the cam lever on SLIP.

Row 2 shows one square for the tree trunk. Row 2 on the punchcard shows everything punched EXCEPT the tree trunk and the dancer's legs. These two rows will be knitted (still on the SLIP setting) using the background colours. We never actually knit a row to fill in these gaps — the colour is simply pulled through the gaps from the previous row.

On my knitted sample I have omitted the top two rows from the original design and, instead, worked a plain stripe. For the second repeat, reverse the motifs and change the contrast colour. Watch to see that you are knitting two rows alike in each colour, or you will be disappointed with the result!

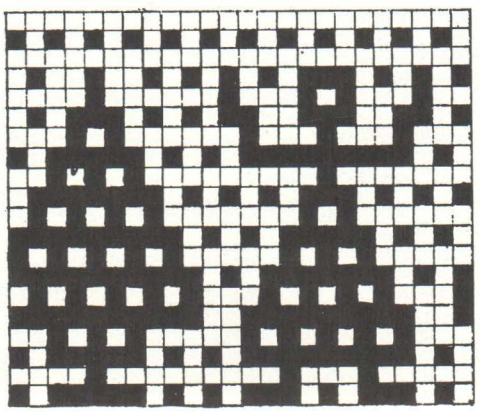
Do try this fascinating technique — it may seem complicated, but mastering it is well worth the effort, and it is one way of tackling the horrible float problem.

Punchard

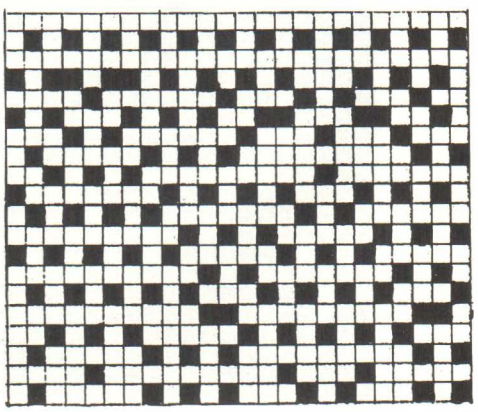


(Set machine to knit every row twice)

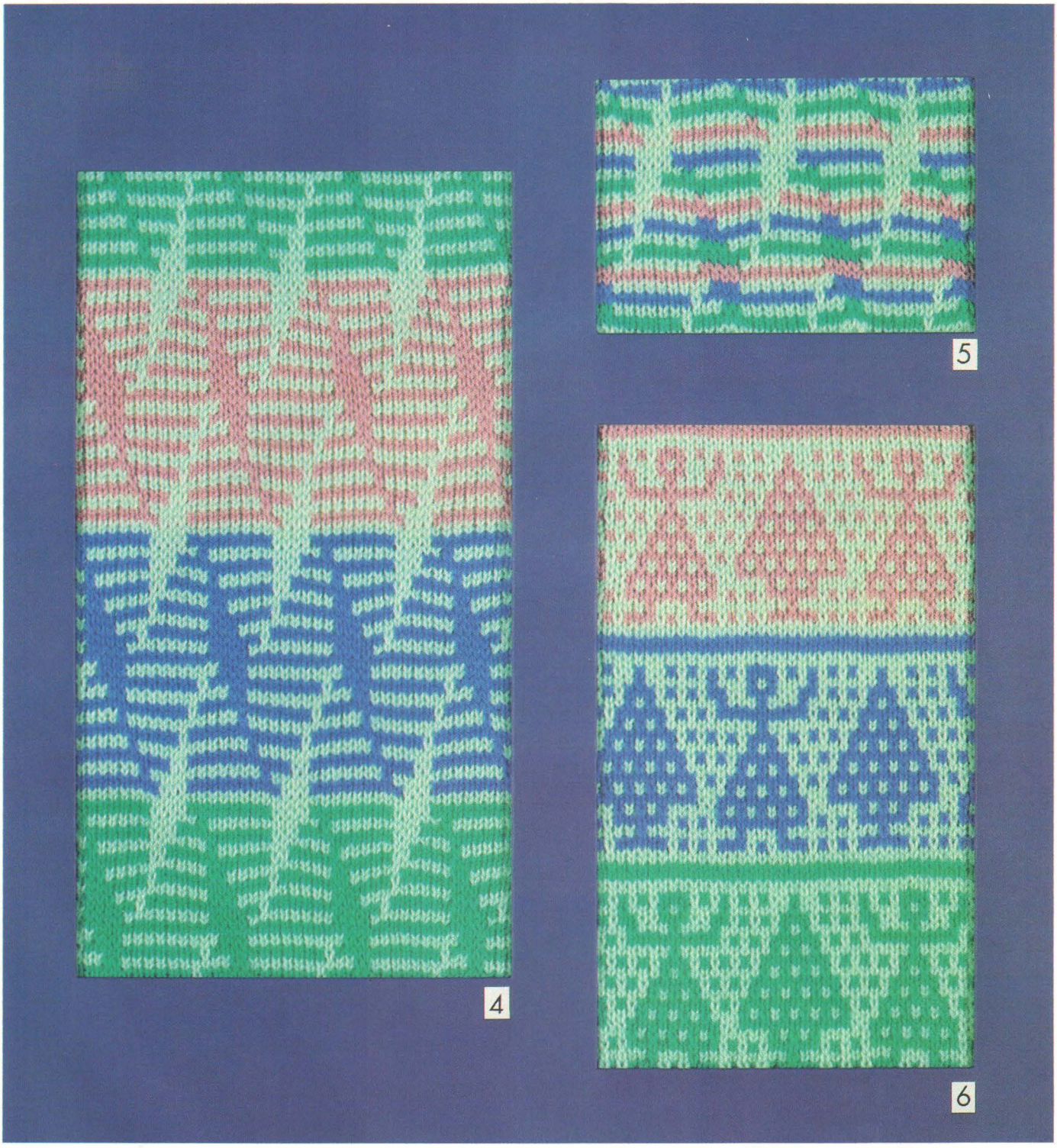
24 Stitch Design



Working Diagram



Sample 6: 'Dancer and tree' taken from 'Mosaic Floatless Fairisle' by Kathleen Kinder



Having discussed multi-colour fabrics and some of the effects which can be achieved, I would like to finish by returning to something more simple — fabrics for sideways knitted skirts. You can use your single bed yarn changer to produce fabrics with interesting changes of texture as well as colour. I intend to return to this theme with more complex ideas in Part 4 of this series. In the meantime, you might like to try using two different textured yarns with your colour changer. For instance, try a textured poodle or bouclé yarn for several rows then change to a fine smooth yarn such as Bright Acrylic (in a colour combination of your own choice). Work a suitable stripe sequence in the two yarns — perhaps 12 rows in the bouclé followed by 6 or 8 rows in the fine yarn — to produce a 'thick and thin' fabric where the thicker textured yarn stands forward and the thinner yarn rows pull back to create a pleated effect. This technique is known as Shadow Pleating and, with the right combination of yarns, is an excellent way of creating a very attractive sideways knitted skirt. The skirt style does not have to be straight as holding position and short row knitting can be worked as required to produce additional flare. Although manual yarn changes can be worked for this type of skirt, you will be pleased and surprised how much quicker it becomes if you utilise your yarn changer. There is also less likelihood of losing all the stitches across a row — which can easily happen when you keep re-threading yarns into the feeder on the main carriage assembly.

There is nothing mentioned so far regarding the YC5 which cannot be equally well achieved with the YC6. Next time I will be discussing the refinements that were added to yarn changers when the YC6 was introduced, and I will be taking a look at its uses with the ribber.

1
2
3

FINISHING TOUCH

By Angela Gordon

Buttonhole bands are often thought of as purely functional, sometimes just an evil necessity for fastening a cardigan or jacket. Hours of work can be put into the knitting of a beautiful fabric for the main parts of the garment, whilst the only consideration given to the bands and welts is whether to knit them in stocking stitch, 1 × 1 or 2 × 1 rib! Sometimes, buttonholes are omitted because we dread knitting them. Try to think of buttonhole bands as an integral part of the design and you might well be able to turn them into an interesting feature.

This month my samples are for three simple, yet unusual buttonhole bands which are all worked on a single bed machine. Each band is picked up along the edge of the main fabric and knitted sideways, but there is no reason why the basic principles could not be applied to vertically knitted bands if you prefer them.

Everyone can have a go as these bands are equally suited to standard, double knitting, chunky or fine gauge machines and require no patterning facility whatsoever. I used a standard gauge punchcard machine (360KL) to knit the samples, but the punchcards, all from the basic set provided with this machine, were used only for the fabrics to which I attached the bands.

The yarn used for the samples is 2/8's Shetland wool from Nethy. Unfortunately, they no longer supply yarns by mail order, but Shetland wool is available from many other suppliers including Ballantrae, Jamieson & Smith and Many a Mickle. Many people cannot wear Shetland yarns near the skin because of the scratchiness. It is therefore often more practically used for cardigans and jackets which are usually worn over other garments. A lovely winter jacket could be made from a Fair Isle fabric knitted in Shetland wool, with interesting bands and lined with a cotton jersey in one of the contrast colours to add a final touch.

For each band, always present the edge of your garment to the needle bed to estimate the number of needles required—make sure the edge is neither stretched nor gathered (you can work out the total number of stitches with a calculator if preferred). Pick up the edge of the garment with wrong side facing you on to these needles and then continue working at main tension minus two whole numbers in conjunction with the instructions for each sample.

SAMPLE 1—
Intarsia Band
This is an intarsia band attached to a main fabric worked in tuck stitch using card number 9 from the basic set. The band is worked in diagonal stripes to echo the diagonal tuck stitch pattern. The buttonholes are easily worked into the diagonal stripes.

Anyone who has knitted intarsia knows that each yarn has to be twisted around the next to prevent a hole where the colours change. But, for this sample, the buttonholes are created by NOT twisting the yarns and hence leaving a gap at the position where the buttonhole is required.

Lay the yarns over the needles for the appropriate width of your stripes. Each block of colour is moved to the right by one needle every two rows. So, knit four rows without making any buttonholes, twisting yarns at the colour changes in the normal way. Make the first half of the buttonholes over the next four rows. The colours are still moved over by one needle every two rows as before except on the stripes where the buttonholes are required. On the Sample, these are spaced between every two red and brown stripes as follows:

Transfer the left stitch in the right hand stripe of colour (brown) on to its adjacent needle to the right (i.e. the brown stitch is transferred to the right on to the next brown stitch). Pick up the heel of the last red stitch next to the empty needle and place it on the empty needle. Make sure all the stitches are behind the latches and that all latches are still open. Lay the yarns across as normal but do not twist where the buttonholes are to be created. On the next and fourth row just lay the yarns across (without twisting at the buttonhole positions) and knit the row. On the third row, repeat the stitch transfers and picking up of heels.

Knit four more diagonal intarsia rows, twisting all the yarns to close the buttonholes. Knit two rows in the main colour and then knit the second half of the buttonhole to match the first. This time, the blocks of colour will be moving to the left. When the band is folded double, the diagonal stripes, and therefore the buttonholes, will go in the same direction. Pick up to make a hem and cast off loosely. To complete, the two halves of each buttonhole should be sewn together neatly.

SAMPLE 2—
Hidden Buttonholes
This is a simple stocking stitch band with machine finished buttonholes. The triangles, added afterwards, are attached at top and bottom only, leaving the sides open to allow the buttons to be done up easily. The main fabric is Fair Isle, using Card 4 from the basic set. In the illustrated Sample, peat brown is used as the main yarn with 8 rows moss green, 2 rows red, 6 rows fawn and 2 rows red for the contrast repeat sequence.

It is amazing to see the different appearance of a standard pattern when used with several colour variations. It looked totally different again when worked with the colour changer, changing the main yarn instead of the contrast to produce a predominantly peat brown sample with single stitch/two row spots of the contrasting colours—quite an unusual and interesting fabric.

When you have completed your buttonhole band, cover the holes with a triangle, using a different contrast colour for each one. To make a triangle, pick up seven stitches from just below the buttonhole (along the second stitch line) and knit three rows. Decrease one stitch at both ends and knit three rows. Repeat until one stitch remains in work, break off the yarn and pull the end through this last stitch. To complete the decorative triangle, sew down the single stitch at the top and neatly stitch in the cast on end of yarn.

SAMPLE 3—
Bobble Band
This idea is again based upon the simple stocking stitch band with machine finished

Continued on page 18

buttonholes. The difference is achieved by adding bobbles around each buttonhole using the contrast colours. The main Fair Isle fabric is knitted using basic Card 2, which reminds me of groups of bridge players—four players around a central table. You can't see them? Never mind, I do tend to see funny things in stitch patterns and that is where the idea of bobbles around the buttonhole (or table) came from! I have recently designed a winter jacket pattern in Shetland from my 'bridge players'. The colour sequence in Sample 2 is 6 rows moss green, 2 rows red, 6 rows fawn and 2 rows red with peat brown as main yarn.

To knit the band, pick up as usual and knit four rows in the main colour. Use the contrast colours from the main fabric to make three stitch bobbles centrally beneath each buttonhole position and knit two rows. Knit the buttonhole stitches through with nylon cord or waste yarn and make a bobble at each side of them. Knit two rows and make a final bobble above each buttonhole then knit a further four rows. Knit one row at main tension plus one whole number for the foldline. Knit 6 rows. Tie the ends of each bobble securely and cut short. Finish the buttonhole as normal, knit 6 rows and then pick up along the first row picked up. Knit one row to join and cast off loosely.

I hope that you will feel inspired by my diagonals, bobbles and triangles and that you will create some even more unusual ideas of your own. Make that special jacket even more special by putting some thought into your buttonhole bands—yes, even if you never fasten them up!

TO KNIT A BOBBLE

Use a separate length of yarn and manually knit the three selected stitches for 6 rows, bringing each needle forward in turn so that the existing loop falls behind the latch, and lay the contrast yarn chosen for the bobble over the needle hook, then carefully pull the needle back to working position to knit the yarn through the stitch behind the latch. Work across the three needles and back again until six manual rows are completed, keeping the tension and stitch size even as you go along.

Transfer the two outer bobble stitches on to the centre needle of the three. Next, pick up the two outer stitches from the first manual bobble row below the place on the empty needles. Continue in main yarn to the next bobble.

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LETTERS, HINTS & TIPS

Dear Sue,

I wonder if other readers would like to be warned about helping others when selling their knitting machines? This is what happened to me a few weeks ago.

I advertised my 891 for sale and a lady rang me up to say she would have it. She had no transport and, as she was an OAP like me, I tried to be as helpful as possible and arranged for the machine to be delivered to her door. She rang me back to check that she would be receiving the machine and we confirmed all the details, including the price. The following day the machine was returned to me, minus the tool box which, for some reason, had been taken out of the case.

I naturally contacted this lady again and she said she had the tool box but that she couldn't afford to post it back to me! So, my husband had to take me on a long trip to her house to retrieve it. This lady tried to tell me that when she had received the machine, she had phoned several times to ask me to reduce the price. I think this was something she had planned to do, even before she received the machine but luckily, I was out that evening.

Anyway, a lesson learned, and this will be the last time I will ever help anyone in this way. I wonder what would have happened if I had sent the machine by road or rail – as it was, I ended up out of pocket!

Yours sincerely,

Mrs A Cotterill, Swindon.

● *It is always unfortunate to hear of an incident such as this, where someone makes a real effort to be helpful yet ends up involved in a time and money wasting exercise. We have received other letters from readers on occasion asking for advice as to the best way to go about such transactions – both from the buyers and sellers point of view. But really, there is no clear cut answer as it all boils down to mutual 'trust' in the end, especially in cases where distance and lack of transport are concerned! Sending either cash in advance (if you are the buyer) or the actual item (if you are the seller) can leave you wide open to risk.*

Obviously, if you are looking for a secondhand machine, the best solution is to buy locally, where you are able to go along and see the piece of equipment for yourself. This way, you can make a quick transaction, pay for the goods and get the machine home with relatively little bother. Even if you don't have transport, a local sale might only cost you the outlay of a taxi there and back, or you may find a friend or neighbour is willing to help out for the price of the petrol.

Don't forget your local dealer when you are buying or selling a machine. Some dealers will take your old machine in part exchange. If you buy a secondhand machine from a dealer, you will also be safe in the knowledge that he or she can sometimes offer you bonuses such as guarantees and back up service – well worth considering!

Dear Sue,

I read, with interest, about readers' problems with punchcard roll (July '91). My solution is to count the number of rows I will need for the pattern, add a couple of rows at either end for the double rows of punched holes and cut the piece off the roll. I then put the piece of card in the bottom of the sink and fill it with fairly hot water, leave it for a while, then remove it and place it on a flat work surface to dry out. A lot of the curl will have gone, leaving it much easier to punch out.

Also, I mark with ruler and chinagraph pencil, each ten rows, drawing a line across the card. I also bisect the card down the centre to make two sides each with twelve spaces. I do the same with the pattern I wish to copy on to the card and find that this makes the whole process so much quicker as it is easier to find which line I need to punch next! If in doubt, I simply have to count up the 'tens' and in towards the centre 'twelve' mark.

I keep most of my punchcards flat, in a box file – the sort with a strong clip inside which helps to keep them flat. The ones which are too long to fit in the box have a special place – I store these under my pile of *Modern Machine Knitting* mags (which I keep adding to)!

I hope these hints will help other readers – the hot water treatment really works for me!

Yours sincerely,

T M Ash, Douglas, Isle of Man.

Dear Sue,

I find it interesting to read *Modern Machine Knitting* and other knitting magazines, even though we are always two months behind. There is nothing similar here in Australia. Even the shops — both machine and yarn — are few and far between, therefore it can be expensive to buy parts, patterns, punchcards and so on.

If possible, I would be most grateful if you could publish a 'plea' for other Australian knitters — particularly younger ones — to make contact with me. I truly envy the network of clubs all over Britain! However, it is possible that I will spend three months in Sweden later this year, so I will have an opportunity to make a lightening swoop on Britain and purchase Design Charts, blocking mats, patterns and designs, all of which are very hard to find over here. I might add, that although there seem to be few machine knitters in Oz, any newsagents which stock machine knitting magazines sell out very quickly!

About me . . . I have a second-hand Singer (i.e. Knitmaster) Memomatic 323, with ribber. I have had it for over six months now but only made three garments due to lack of time. I hate hand knitting but like the result, so find the machine a magnificent piece of equipment. As a learner, I do find it takes a long time to develop a design, punch the card/s, work out the stitches and shaping, before I get down to the easy part — knitting! Still, it satisfies my creative urges!

Thank you for your interesting magazines.

Yours sincerely,

Liz Zylinski, Northcote, Victoria.

● *Liz says she would love to make contact with other machine knitters in Australia — perhaps she could also do with a pen-pal from Britain who would be able to share more of our knitting patterns and tips with her. Liz also mentioned to us that she was very interested in the Prior Purl knitting machine which was advertised in our February '91 issue. Unfortunately it was sold soon after publication but there may be another one somewhere? Liz would like a copy of the instruction manual and she is willing to forward the necessary International Reply Coupon. Her address is*

136 Bent Street,
Northcote,
Victoria,
Australia 3070.

Dear Sue,

I have recently purchased a knitting machine called 'Swiss Baby', made in Switzerland. It has the name Max Wullimann on a plate. Unfortunately, there are no instructions or a manual to tell me how it operates so please would you print this letter in your magazine to ask if other readers might have some information — I would be very grateful to hear from them.

Yours sincerely,

Joan Hassall, Belper, Derby.

● *If anyone can help Joan to find out more about her machine and how it works, please let us know so that we can pass the information on.*

£5 REWARD!

We look forward to receiving your letters, hints and tips but do you know our new address:

Modern Machine Knitting
3 Bridge Avenue,
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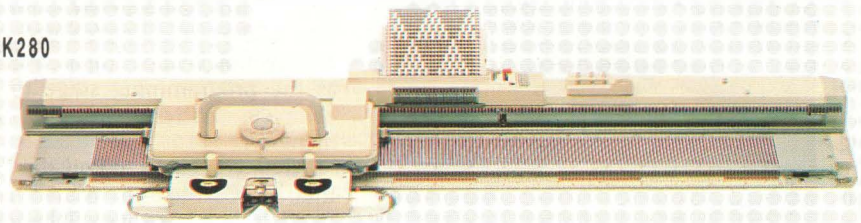
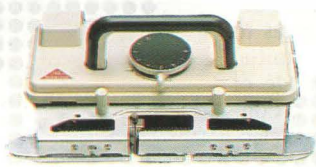


LC2



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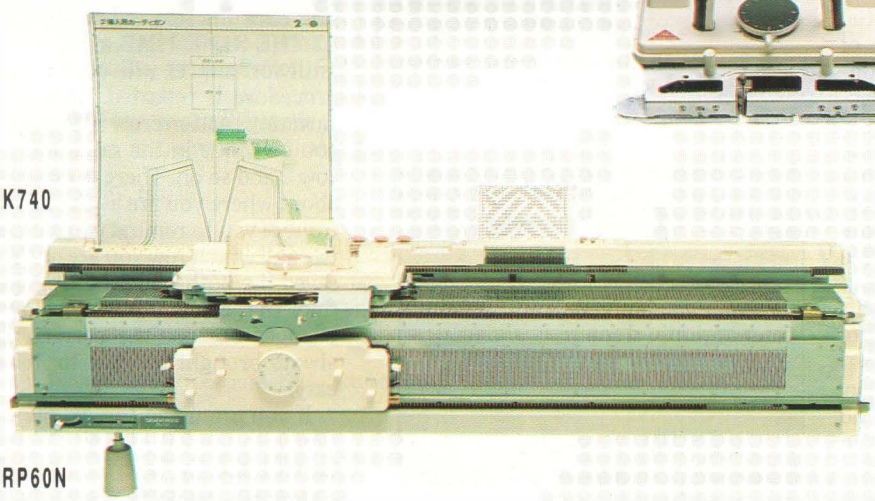

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Our range of five punchcard models is the biggest and the best - and every machine is backed with a 12 month Silver Factory guarantee. We also offer a huge range of accessories, stitch patterns, pattern books, add ons, and of course, Silver spare parts.

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LC2

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SRP60N

- ***Rib stitches without Punchcard:*** *K1. P1, Double Rib, Tubular Knitting, K2. P2. Rib, Wide Rib, Fisherman's Rib, Swung Fisherman's Rib, Variation of Fisherman's Rib, Herringbone Swing, Variation Swing, Pin Tuck, Pick Rib, Swung Pick Rib, Plating Rib.*
- ***Rib stitches using Punchcard:*** *Punch Pin Tuck, Punch Tuck Rib, Tuck Rib Stitch, Drive Lace, Pile Knitting, Double Jacquard*

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SILVER REED — SPECIAL PRIZES TO WIN

You'll see from this month's *COMPETITION* details that you have the chance to win *TWO* super *SILVER REED* accessories — the very latest *Electronic Intarsia Carriage AG 50* and the *Knit Contour KR 11*, both designed as options to add to the electronic 'Modular System', but which can also be used on other specified models. Here's our full report on the two 'SPECIAL' accessories, together with a look at the latest Silver Reed electronic system.

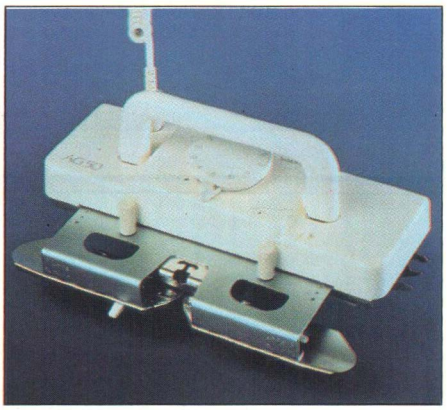
MODULAR SYSTEM

If you are considering buying an electronic machine, the 'Modular System' is a particularly appealing and economical way of combining the latest technology with an extremely wide choice of machine knitting options. As needlebeds and accessories are interchangeable, you can build up your own 'system' to suit your personal knitting requirements. This great versatility has evolved through the development of the patterning components as separate units (they were formerly built into the machine). There are many advantages to this new system. You buy an initial needlebed and carriage in the gauge of your choice and add the EC1 Pattern Controller. The EC1 facilitates the normal electronic patterning options in conjunction with a design sheet and the settings on the knitting carriage. By adding the PE1 Design Controller, you increase the patterning potential to the full width of the needlebed thus introducing an incredible variety of options.

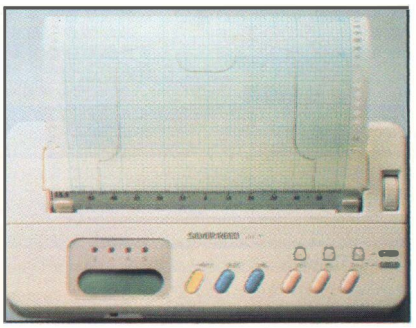
Once you have one needlebed in this system you can add another in the gauge of your choice and utilise the same patterning components and accessories, as they are all fully interchangeable — there is no need to duplicate and therefore you can save money in the long run.

INTARSIA CARRIAGE AG 50

The very latest accessory from Silver Reed is the AG 50 Electronic Intarsia Carriage, suitable for use with the SK 580 and SK 840 machines in conjunction with the EC1 and PE1. Unlike the familiar AG 20 Intarsia carriage, the AG 50 is a larger version of the main knitting carriage in appearance, has a handle and is fitted with a sinker plate and yarn feeder. The cam lever has a setting for stocking stitch knitting (where the yarn would be threaded in the feeder as on the main carriage) plus a setting for Intarsia knitting. This means that you do not have the worry of tension changes when combining areas of plain stocking stitch with Intarsia knitting. You also have the facility to make a free pass row by releasing the carriage cover to disconnect the needle selection.



Silver Reed AG50 Electronic Intarsia Carriage.



Silver Reed KR11 knit contour.

When it comes to Intarsia knitting, you have to change the cam lever to the Intarsia setting, remove the yarn from the feeder and arrange the yarns on the floor in the normal way, in the sequence in which they are to be knitted across the row. So, what makes this carriage special?

The AG 50 enables you to knit up to FIVE different colours in one row by automatically selecting the relevant needles for each colour forward to C position, in sequence, and it does this in conjunction with the PE1. In order to programme the pattern correctly, the stitches to be worked in each colour have to be drawn out on the pattern sheet in a consecutive sequence. In other words, the pattern is broken down into different sections for each colour and each section is 'superimposed' into the PE1 at the programming stage to form the complete pattern in the machine's memory.

When you come to knit the design, the Intarsia Carriage is passed across the needlebed and needles will be selected forward with the latches open for the first row of the pattern in colour 1. You then lay colour 1 across these sets of needles, in the normal Intarsia way, by hand. You then pass the carriage to the opposite side to knit back the selected needles in colour 1, AT THE SAME TIME, needles for colour 2 (still for row 1) will come forward. This procedure is repeated for each colour in turn until pattern row 1 is completed, then you continue in the same way for pattern row 2 and so on. There is no need to worry about where you are as the PE1 is there in front of you to remind you which colour to use and which row you are on! You are also saved the bother of straining your eyes to find the correct position for the yarn changes because the correct needles are always brought forward to make it really easy!

If you are using the AG 50 in conjunction with the KR 11 Knit Contour (which we will shortly describe more fully), you can set the KR 11 to match the number of colours (again up to five) in your Intarsia work. This ensures that the garment block rotates only when each row has all colours knitted!

As well as five colours in a row, the AG 50 offers FIVE options for Intarsia patterning. The main way, as described above, uses the PE1 with the cards prepared as for multi-coloured slip or multi-coloured jacquard, so there are no floats on the back of the fabric. This method can also be knitted in a combination of Intarsia and Fair Isle. You can also use the AG 50 without the PE1 to create an Intarsia design in 'outline' form. Here, the outline is drawn on the design card and one pattern row is formed with a single row of knitting. Alternatively, a fourth type of Intarsia is possible, again without the PE1, but using Pattern Switch

6 (for Double Jacquard), and any Fair Isle card can be used. Lastly, the carriage can be used without any patterning facility — you have the choice of working your chosen Intarsia pattern manually, where all the needles are brought forward for each row in the traditional manner.

The recommended retail price for this special accessory is £269, which may seem a little bit high to those who are just starting out, but remember that you can add this carriage to your 'Modular System' at any stage and its full potential will be well worth saving for! Don't forget that a super AG 50 could be yours if you win our competition!

KR 11 KNIT CONTOUR

The other *SUPER PRIZE*, worth £119, is the latest model of the *SILVER REED Knit Contour — the KR 11*. This revolutionary charting device is extremely compact and, like other Silver Reed accessories, is an optional and easy to use item to add to your knitting system. It is battery operated and links to the machine through the row counter via a fairly long connecting lead, which allows you to position the unit where it is the most convenient for you to follow. For example, if you are following instructions on the PE1, you can place the KR 11 next to it and read both displays easily.

As the power source is provided by four household batteries, you can disconnect the KR 11 from the machine to set the rows, Select Lever and Change Lever and, provided the KR 11 is not switched off, it will retain the settings in its memory. You can also set the pattern paper in position before the KR 11 is plugged into the machine. This enables you to leave the knitting machine and take the accessory to another room if necessary (i.e. you might want to set the information up whilst relaxing during the evening, away from the knitting room!). There is a battery Charge Indicator which warns you when power is getting low but there is normally time to knit one whole sweater before you actually have to replace the batteries.

The KR 11 comes with a set of basic garment shapes, in a variety of sizes, which have to be traced on to the special grid sheets supplied. These sheets resemble the design cards as they have feeding holes located down each side. All you do is trace off the required outline and the grid makes it easy. The sheets are re-usable as the pencil lines can be quickly erased. You have the choice of the usual ½ scale block shapes for medium to fine yarns or the option of ¼ scale patterns for thicker yarns — the KR 11 is set as required by changing the Select Lever. The pattern sheet feeds automatically according to the rows set from the tension swatch. You can relocate the pattern when required, moving it up or down at the touch of a button.

There is an additional facility which has been built in to accommodate the new 'five colour' Intarsia technique when using the KR 11 in conjunction with the AG 50 Intarsia Carriage or when knitting any multi-colour work such as Double Jacquard or multi-coloured slip, where the carriage has to be passed across the needlebed more than once to knit a row. This Change Lever can be set according to the number of colours being knitted in any one row (to a maximum of five) and controls the movement of the pattern block to correspond.

The following machines are fitted with a socket into which the KR 11 connecting lead can be plugged: SK 830, SK 840, SK 860, SK 890 and LK 150.

Other models can also be operated with the KR 11 accessory by replacing the detachable row counter with the RC15 K row counter: 260 K, 600 K, SK 210, SK 280, SK 155, SK 150, SK 151 and SK 550.

So now you know some of the details, why not find out more from your local Silver Reed stockist who will be pleased to demonstrate these new accessories! Don't miss our COMPETITION and your chance to win the super AG 50 intarsia carriage and KR 11 Knit Contour!

THE WONDERFUL WORLD OF SILVER

I guess you've feasted your optics on the Wonderful World of Silver Reed and their galaxy of stars for the 1990's.

Our bumper Prize Competition focuses upon a Silver dimension of earlier years – the Silver Screen. It, too, had its bevy of stars, some of whom are recalled in our Wordgame.

The winning line is that spelled out in the first vertical of the correctly completed grid.

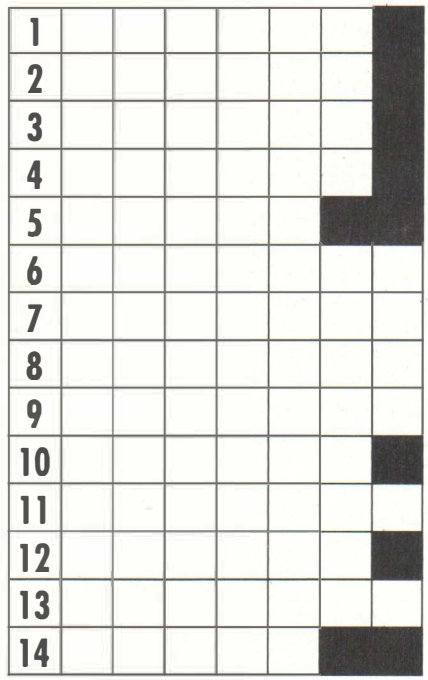
Let us know how that line reeds – sorry reads – it's something which doesn't beset the Silver Reed user. Who knows, perhaps your lucky star will see you nominated as one of our winners.

Our Compiler has taken
A turn for the worse
And sets you a Wordgame
that's almost in verse

When you've filled in the squares
One line that you'll see
Is a heartfelt request – a kind
of Dracula's plea

It seems to us – but then
We're only the rookies
He's addressed his request to
A room full of bookies

14. This number of Brides did the musical marry (5)
6. A Knight of the screen we fondly called Larry (7)
13. Their task in a movie is mainly as cutters (7)
12. A 'Buster' type – one of the screen's early 'nutters' (6)
3. Movies were this 'ere the coming of sound (6)
8. Somewhere over this was The Tin Man once found (7)
9. The screen also showed us the mines of this King (7)
2. Awards that are treasured above everything (6)
4. Springtime Parade with hits by the score (6)
7. This Greek's exploits filmed as he came home from war (7)
11. Fabulous Fred whose steps will never grow cold (7)
5. Loretta – a great who could never be old (5)
10. Elizabeth or Robert – the surname's the same (6)
1. With his great pal, dear Ollie this Stan found his fame (6)



COMPETITION RULES

1. Only one entry per postcard will be accepted. You should send you postcard to October Competition, 3 Bridge Avenue, Maidenhead, Berkshire SL6 1RR.
2. This competition is open to residents of the UK only, except the employees of *Modern Knitting*, the magazine's typesetters, printers, distributors, employees of this month's competition sponsor and their relatives.
3. The closing date is 31st October 1991. Entries received after that date will not be considered and no responsibility can be accepted for entries lost or delayed in the post.
4. No cash alternative will be offered.
5. The winner will be the first correct entry drawn from our postbag after the closing date.
6. The winner will be notified in writing and the results will be published in a future issue of *Modern Knitting*.
7. The Editor's decision is final and no correspondence will be entered into regarding the competition.

HOW TO WORK FROM A DIAGRAM PATTERN

The pattern instructions in Modern Knitting are in the form of a diagram pattern, which is by far the easiest form of knitting pattern to use. However, if you are not familiar with diagram patterns, Here's a step by step guide which will teach you to use this easy-to-follow pattern system. Study the symbols on next page carefully then work through the diagram following the written explanation alongside. You'll find it quite straightforward and, once you have knitted your first couple of patterns using this system, you'll wonder how you ever coped with those long winded written patterns.

First of all, take a look at the diagram itself. The diagram is divided into two halves. On the right side you'll find all the stitch and row references while on the left side you can see we've given all the measurements which will help you when pinning your knitted pieces out to size. In addition, you'll find certain items of information on the diagram such as the needle arrangement for the rib, the type of cast on you should do and any other relevant information you might need. As you can imagine, once you are familiar with this type of pattern, you'll be able to see at a glance just what's involved in the knitting of each design without having to read the whole pattern.

Starting at the lower edge, your first instruction is AAAA 60S. This tells you to cast on 60 stitches using the ribber.

!!!!!!! tells you to arrange the needles for a 1 × 1 rib.

000 at the bottom right hand corner tells you to set your Row Counter to 000.

MT-3 tells you to set your Tension Dial to 3 numbers lower than the Main Tension.

The first row number given is 006, so knit to row 6.

The line across the diagram at row 6 tells you that you have finished knitting the rib, so transfer the stitches from the ribber to the main machine.

000 at the right hand edge tells you to turn your Row Counter back to 000.

MT tells you to set your Tension Dial to the Main Tension. Continue knitting until your next instruction which is on row 40.

The diagram pattern shows you that you are now at the stage for shaping the armholes. **Although the shaping instructions are shown on one side of the diagram only, they should be worked on both sides, since the diagram shows there is the same armhole shape on the left side.** If you find it easier to begin with, pencil in the same instructions on the left side to remind you that you have only been given the instructions for one armhole.

1S.1R×2 is the instruction.

1S tells you how many stitches to decrease.

1R tells you how many rows after each decrease.

×2 tells you how many times to decrease.

Therefore, 1S.1R×2 means:-

Decrease 1 stitch on both sides (you are repeating the shaping instructions for the left armhole). Knit one row.

Decrease 1 stitch on both sides, knit 1 row.

The next instruction is 1S.2R×1. Therefore, decrease 1 stitch on both sides (you are repeating the shaping instructions for the left armhole). Knit 2 rows.

The next instruction is 1S.3R×2.

Therefore, decrease 1 stitch on both sides (you are repeating the shaping instructions for the left armhole). Knit 3 rows.

Decrease 1 stitch on both sides. Knit 3 rows.

Your next instruction is not until Row 68 therefore knit to row 68 without shaping.

The diagram pattern shows you that you are now at the stage for shaping the neck.

The symbol V tells you to divide the work in half and knit each side separately.

Therefore, either push the needles at left into holding position, or knit them onto waste yarn and remove from the machine. Now knit the right side as follows:—

5 S tells you that 5 stitches form the base of the neckedge.

Therefore, using a length of main yarn, cast off 5 stitches.

Your next instructions are for the neck shaping

2S.2R × 1
1S.2R × 2
1S.1R × 1

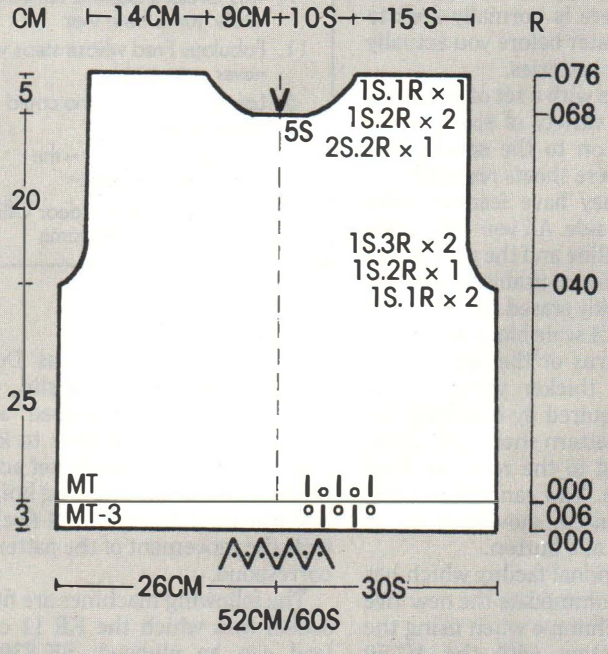
and should be carried out in the same way as before.

The last instruction is on row 76 where the straight line shows you should cast off the remaining 15 stitches.

Then, of course, you must turn the Row Counter back to 68 and knit the left half of the neck in the same way.

For those of you who are new to diagram patterns, the important points to remember are:—

1. The stitch, row and shaping references are on the right half of the diagram.
2. Shaping instructions are given for the right side of the diagram only. They should be repeated on the left if the diagram shows there is the same shape on the left.
3. A shaping instruction such as 2S.1R × 3 means decrease 2 stitches, knit 1 row, 3 times in all.
4. Don't worry too much if you find you're the odd row or stitch out on your first couple of attempts. Nobody will notice and you'll soon get the hang of using diagram patterns and wonder how you ever managed without them.



SYMBOLS FOR THE DIAGRAMS

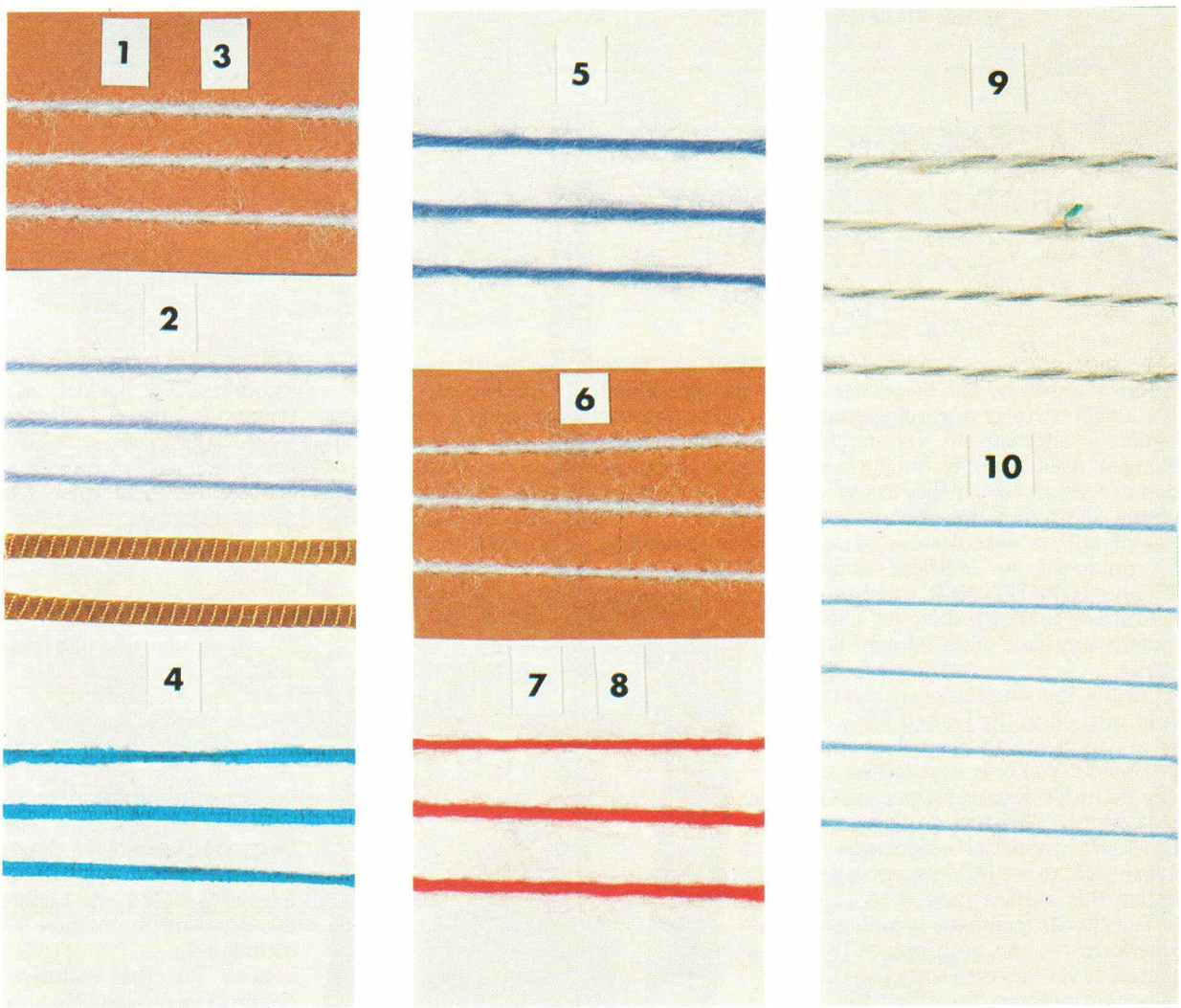
Closed edge cast-on	Turn up a hem
Cast-on using waste yarn	Pattern stitch
Closed edge cast-on with ribber	R — Row
Loose raw	MT — Main Tension
°I°I°I°I Needle arrangement 1 = needle in work position 0 = needle in non-work position	V — Divide work in half and knit each side separately
	Repeat
S = Stitches	
( ) Larger sizes	**2S.2R × 3** is an example of shaping instructions shown on the diagram. The shape of the diagram will indicate whether you are required to increase or decrease. 2S.2R × 3 would mean decrease (or increase) 2 stitches, knit 2 rows, 3 times in all.
① Colour	

Abbreviations

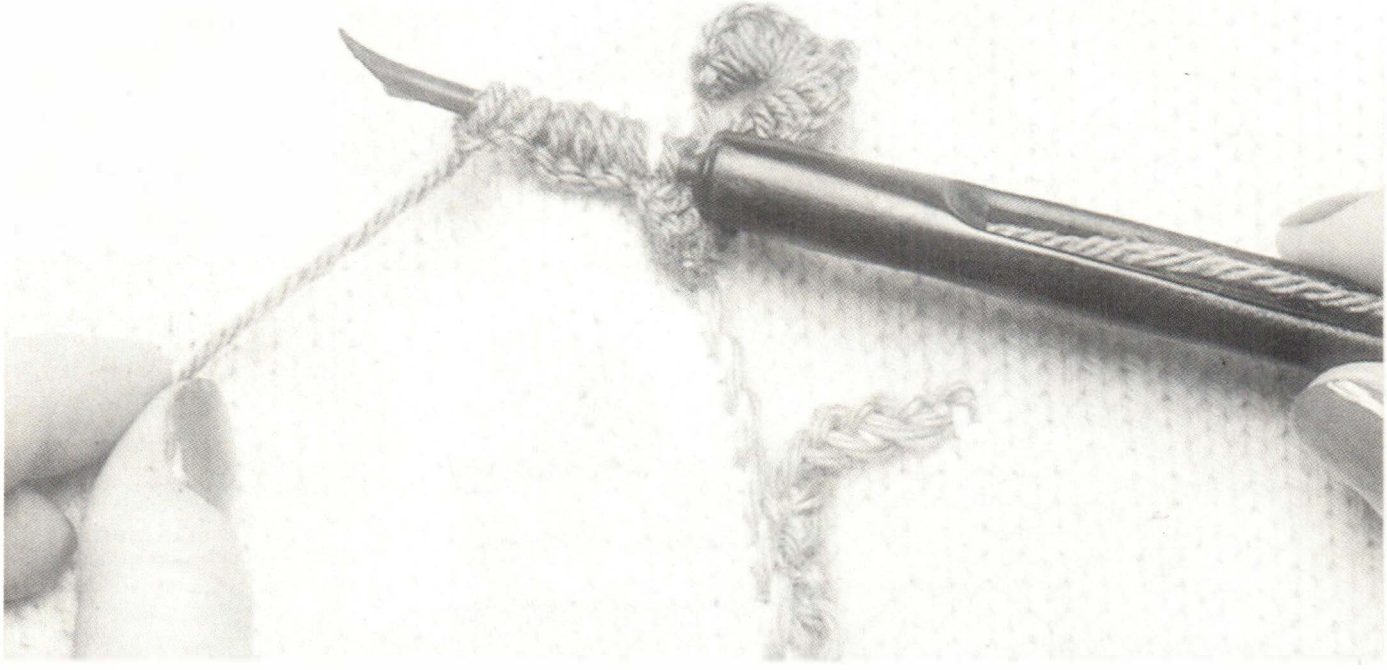
Alt	— Alternate
Approx	— Approximately
Beg	— Beginning
Carr	— Carriage
Cm(s)	— Centimetre(s)
Col	— Colour
Dec	— Decrease
Ev	— Every
Foll	— Following
HP	— Holding Position
Inc	— Increase
MT	— Main Tension
N	— Needle
Ns	— Needles
NWP	— Non Working Position
Patt	— Pattern
Pos	— Position
Rept	— Repeat
Rem	— Remaining
RC	— Row Counter
St	— Stitch
Sts	— Stitches
TD	— Tension Dial
Tog	— Together
UWP	— Upper Working Position
WP	— Working Position

YARNS USED IN THE PATTERNS

For your reference we have included an actual size representation of the yarns we have used in the patterns this month. You may find it useful to see how each particular yarn looks before it has been knitted into a garment and it will be particularly useful when we haven't quoted a brand of yarn, simply a type of yarn.
Our overseas readers will also find it helpful since not all the yarns will be available in all countries. However, having said that, it will certainly be worthwhile writing to the spinners listed in our Stockist Information to see if there is an overseas mail order service available.



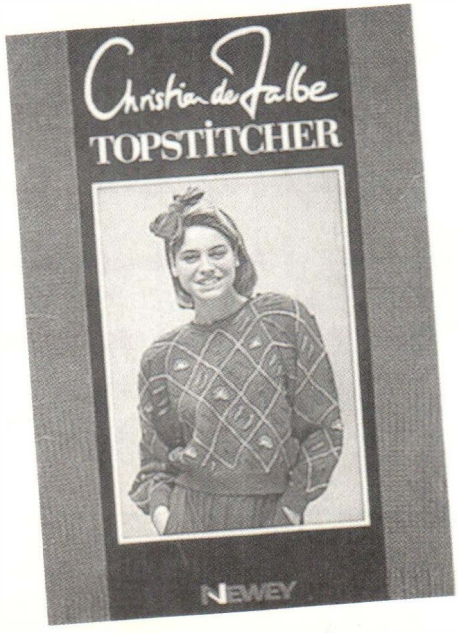
DESIGNER STYLE WITH THE NEWEY TOPSTITCHER



Classic knits form an important part of everyone's wardrobe but there are times when a plain sweater or cardigan needs a face-lift — alternatively, you might be looking for a pattern or technique to add a touch of style and originality to your own knitwear designs. Newey Goodman Ltd, the well known haberdashery company, have produced an excellent accessory called the '**TOPSTITCHER**' which enables you to create your own 'designer' look and transform any basic outfit into an exciting original.

Basically, this simple tool enables you to thread yarn on to the knitted surface of a garment to create all manner of embroidered effects. You only have to take a look at the exclusive designs by specialist knitwear designer **Christian de Falbe**, which are included in a special booklet in the Topstitcher pack, to see just how versatile and effective this surface decoration can be. The Topstitcher technique is quite simple to perform — no knitting skills are required, so you can even add a special look to a bought sweater. The other advantage to both hand and machine knitters is that the technique is ideally suited to plain stocking stitch styles, which are quick to knit and provide the perfect background for experimenting with decorative ideas.

The Topstitcher comes in a special pack which includes the tool itself, with two interchangeable tips for use with yarn of either standard or chunky thickness; a yarn threader to assist with threading of the tool; a marking out pencil to aid the transfer of design to garment, plus a 28 page full colour fashion booklet featuring twelve unique Christian de Falbe designs together with details on how to achieve the individual effects. Styles vary from ethnic and exuberant to cooly elegant — something to suit every occasion.



A full instruction leaflet accompanies the kit. It is very clearly laid out, easy to follow and includes a range of basic stitches which can be worked with the Topstitcher, as well as hints and tips for using the tool and ways in which designs can be transferred on to a garment.

The complete Topstitcher pack retails at approximately £6.99 and is available from all good yarn shops and haberdashery departments or by mail order from:

Dept 3PR105, The Readicut Wool Company, Terry Mills, Ossett, West Yorkshire WF5 9SA. Credit card holders can telephone 0924 27546 (24 hours), quoting the department number. Price £7.99 to include p&p.

Look for the exclusive Topstitcher design in this issue of Modern Knitting. It's a super shawl collar jacket with attractive shell pattern detail to make for your autumn wardrobe!

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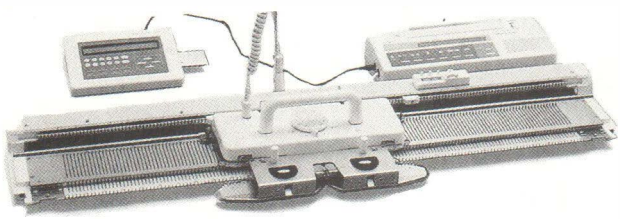

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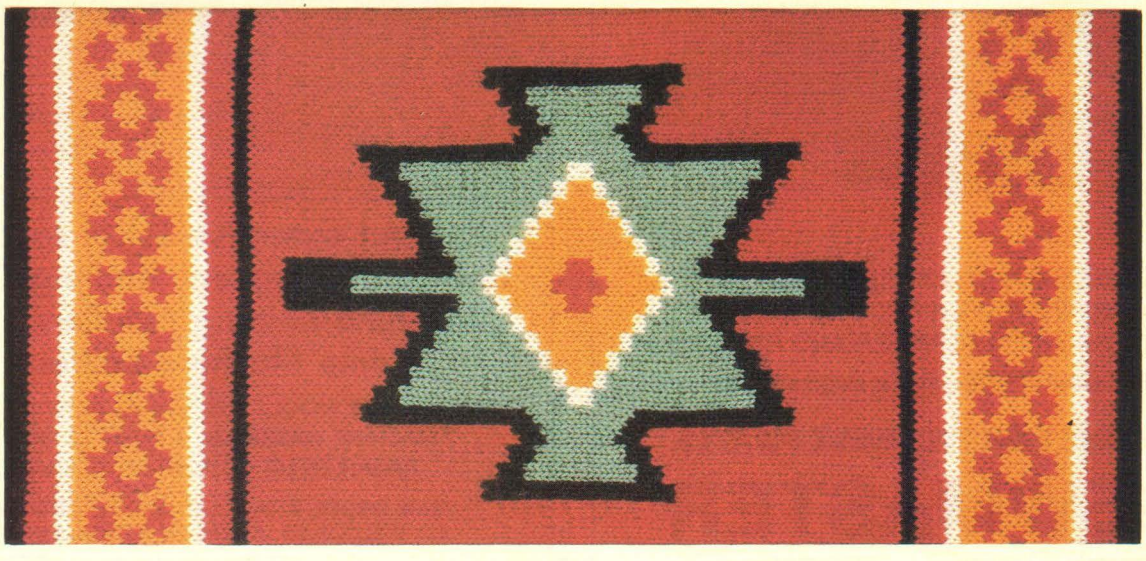


THE SWATCH SPOT

By Sarah Pooley

You will be able to try out your *'free gift'* in this month's Swatch Spot where it will come into its own for Intarsia knitting. Ideally, of course, it is handy to possess several of these Thread and Yarn Holders if you knit a lot of Intarsia patterns, particularly where many small amounts of different coloured yarns are required across a row. The main advantage is that the yarns on the holders can be crossed very easily at the colour change points and hang free in front of the knitting whereas yarn cones and balls have to be sited on the floor and there is always the muddle of tangled yarns on alternate rows which can be confusing.

Here are some Intarsia themes for the coming season using a combination of geometric designs with stripes and Fair Isle patterns, inspired by some of the beautiful Eastern Kilim carpets. The rich combination of dark reds and ochres enhanced with deep indigos sum up the flavour of this Autumn's colour palette. So, try translating some of these simple Intarsia ideas on to an oversized cardigan or sweater to be really 'in Vogue'.

FABRIC INSTRUCTIONS

Yarns Used
Col 1 — Wild Rose
Col 2 — Irish Navy
Col 3 — Amber
Col 4 — Aran
Col 5 — Linden

SWATCH 1

(For Standard Gauge Punchcard Machines with Intarsia facility)
For Intarsia you will need:
Col 1 — 3 balls
Col 2 — 4 balls
Col 3 — 2 balls
Col 4 — 4 balls
Col 5 — 4 balls
Push 45 needles at left and right of centre 0 to WP (90 Ns in all). Using Col 1, cast on.
Insert card 1 and lock on row 1.
With Col 1 in feeder 1 only, knit 20 rows.
* With Col 2 in feeder 1 only, knit 4 rows.
With Col 3 in feeder 1 only, knit 2 rows.
With Col 4 in feeder 1 only, knit 2 rows.
Release card and set carriage for Fair Isle.
With Col 4 in feeder 1 and Col 1 in feeder 2, knit 10 rows.
Return card to row 1 and lock.
Set carriage for stockinet.
With Col 4 in feeder 1 only, knit 2 rows.
With Col 3 in feeder 1 only, knit 2 rows.
With Col 2 in feeder 1 only, knit 4 rows.*
With Col 1 in feeder 1 only, knit 2 rows.
With Col 4 in feeder 1 only, knit 4 rows.
Work Intarsia pattern over centre 76 needles following chart 1 for 54 rows.
With Col 4 in feeder 1 only, knit 4 rows.
With Col 1 in feeder 1 only, knit 2 rows.
Work from * to * once more.
With Col 1 in feeder 1 only, knit 20 rows.
Cast off.

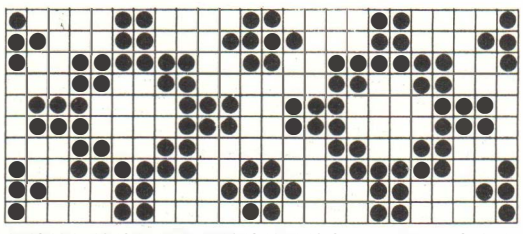
Using Cols 2, 3 and 5 Swiss darn the diamond centres from the punchcard pattern as illustrated. Sew in ends from Intarsia work. Give final light steam.

SWATCH 2

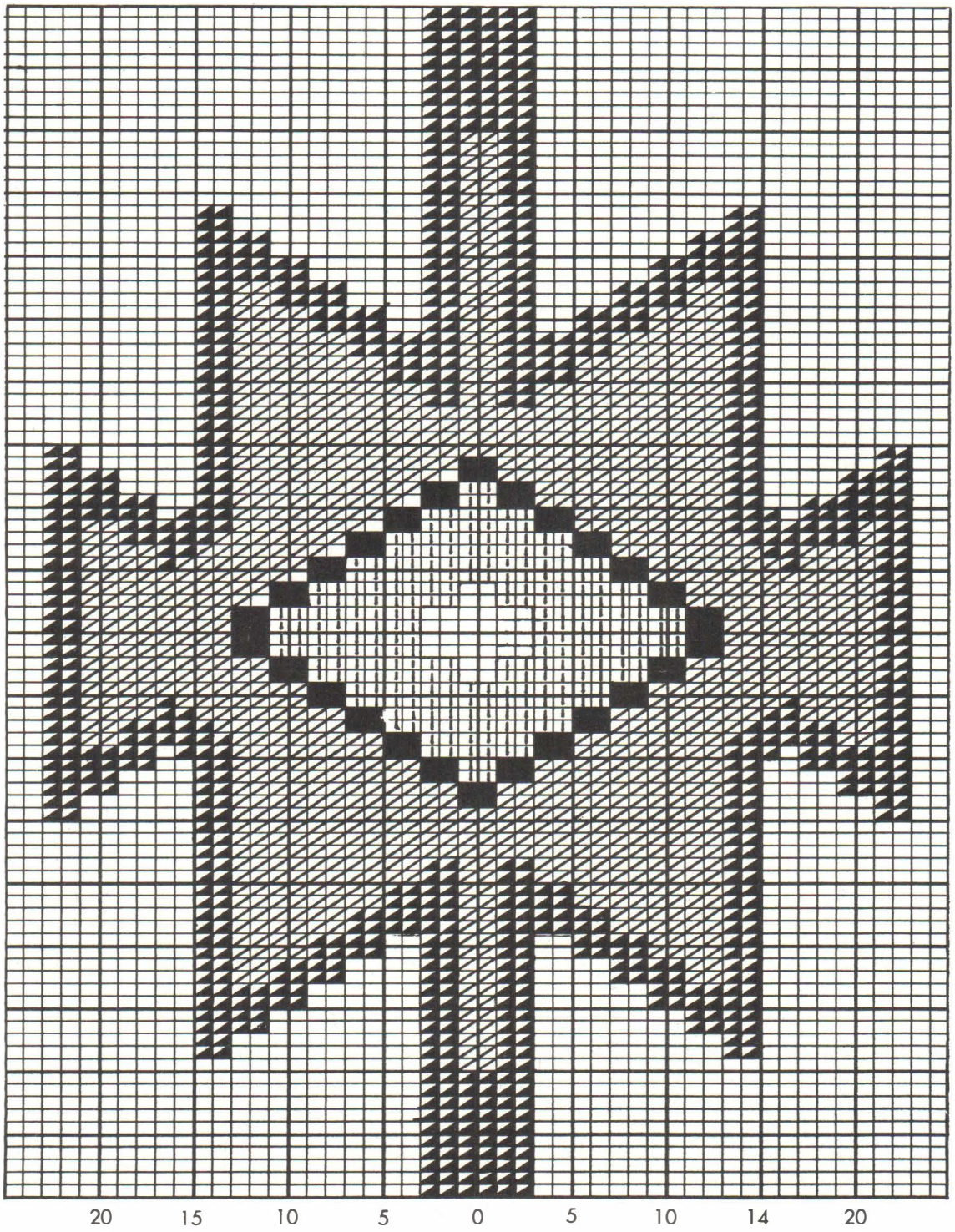
(For Standard Gauge Punchcard Machines with Intarsia facility)
For Intarsia you will need:
Col 1 — 5 balls
Col 2 — 6 balls
Col 3 — 2 balls
Col 4 — 2 balls
Col 5 — 5 balls
Push 35 needles at left and right of centre 0 to WP (70 Ns in all). Using Col 2, cast on.
Insert card 1 and lock on row 1.
With Col 2 in feeder 1 only, knit 20 rows.
* With Col 1 in feeder 1 only, knit 4 rows.
With Col 4 in feeder 1 only, knit 2 rows.
With Col 3 in feeder/only knit 2 rows.
Release card and set carriage for Fair Isle.
With Col 3 in feeder 1 and Col 1 in feeder 2, knit 10 rows.
Return card to row 1 and lock.
Set carriage for stockinet.
With Col 3 in feeder 1 only, knit 2 rows.
With Col 4 in feeder 1 only, knit 2 rows.
With Col 1 in feeder 1 only, knit 4 rows.*
With Col 2 in feeder 1 only, knit 2 rows.
With Col 1 in feeder 1 only, knit 4 rows.
Work Intarsia pattern over centre 46 needles following chart 2 for 95 rows.
With Col 1 in feeder 1 only, knit 4 rows.
With Col 2 in feeder 1 only, knit 2 rows.
Work from * to * once more.
With Col 2 in feeder 1 only, knit 20 rows.
Cast off.

Sew in ends from Intarsia work. Give final light steam.

PUNCHCARD CHART



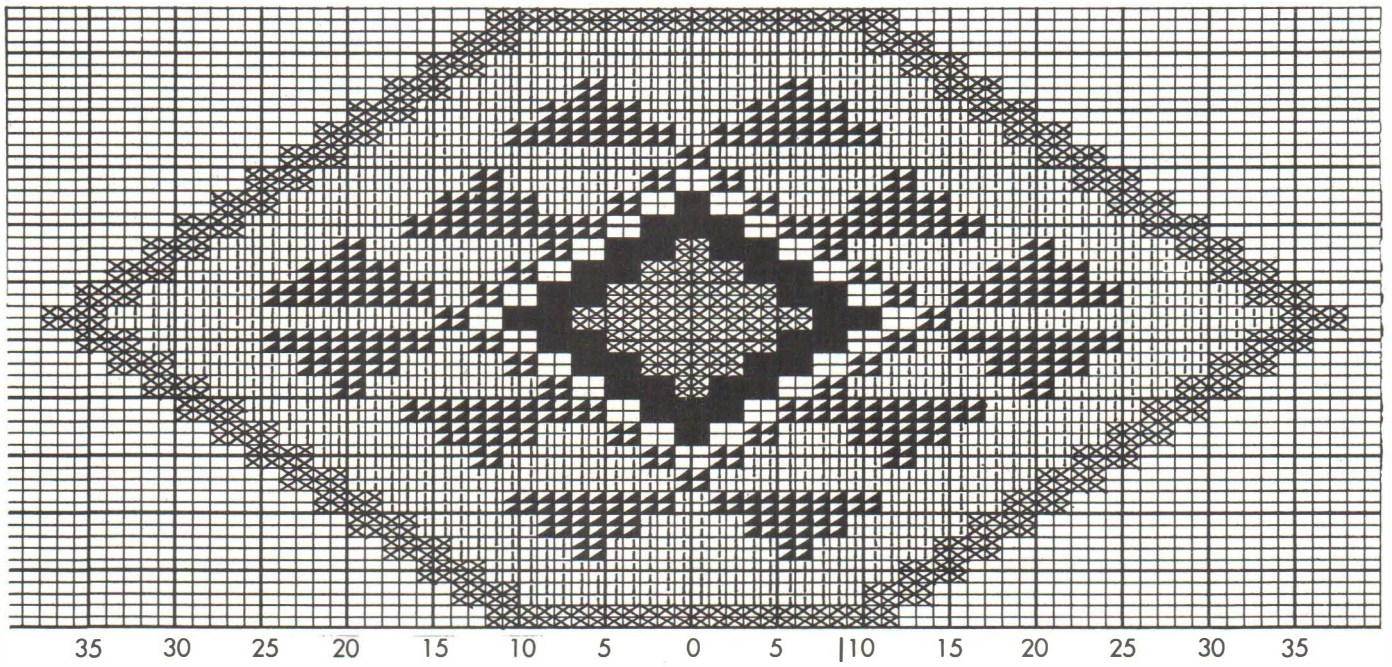
Intarsia Chart — Swatch 2



Key

- □ Col 1
- ◪ Col 2
- ◫ Col 3
- ■ Col 4
- ◪ Col 5

Intarsia Chart — Swatch 1



Key

- ⊠ Col 1
- ◪ Col 2
- ■ Col 3
- □ Col 4
- ◫ Col 5

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VISA

DUTCH SAMPLER SWEATER

This short, boxy sweater features a simple all-over Fair Isle pattern set off by bold borders with inspiration taken from Dutch tiles. Add the contrast stripes in the ribs to give this easy to knit garment a really striking look.

For standard gauge punchcard and electronic machines with ribbing attachment.

SIZES:
To fit 86–91 (96–101) cms, 34–36 (38–40) inch bust.

APPROXIMATE YARN TYPES AND AMOUNTS:
Spectrum Vermont 4ply Perle.
Col 1 (Cream) — 1 × 500 grm cone.
Col 2 (Navy) — 1 × 100 grm ball.

TENSION:
Fair Isle — 30 sts and 39 rows to 10 cms. TD at approx 9 (MT).

PATTERN NOTE:
Fair Isle — see charts (on front and right sleeve only insert card 1 back to front). Insert card 1 and lock on row 1. Take carriage across twice without knitting. Release card. Set carriage for Fair Isle. Col 2 in feeder 2 only, K 2 rows. Col 1 in feeder 1, col 2 in feeder 2, K 3 rows. Col 2 in feeder 2 only, K 2 rows. Col 1 in feeder 1 only, K 2 rows. Col 1 in feeder 1, col 2 in feeder 2, K 16 rows. Col 1 in feeder 1 only, K 2 rows. Col 2 in feeder 2 only, K 2 rows. Col 1 in feeder 1, col 2 in feeder 2, K 3 rows. Col 2 in feeder 2 only, K 2 rows. Remove card. Insert card 2 and lock on row 1. Set carriage for st st. Col 1 in feeder 1 only, K 4 rows. Release card. Set carriage for Fair Isle. *Col 1 in feeder 1, col 2 in feeder 2, K 3 rows. Col 1 in feeder 1 only, K 4 rows*. Rep from * to * throughout.

If you have any problems locating Spectrum Linaria, please write to the address below for local stockist and mail order information. Please quote this issue of *Modern Machine Knitting*.

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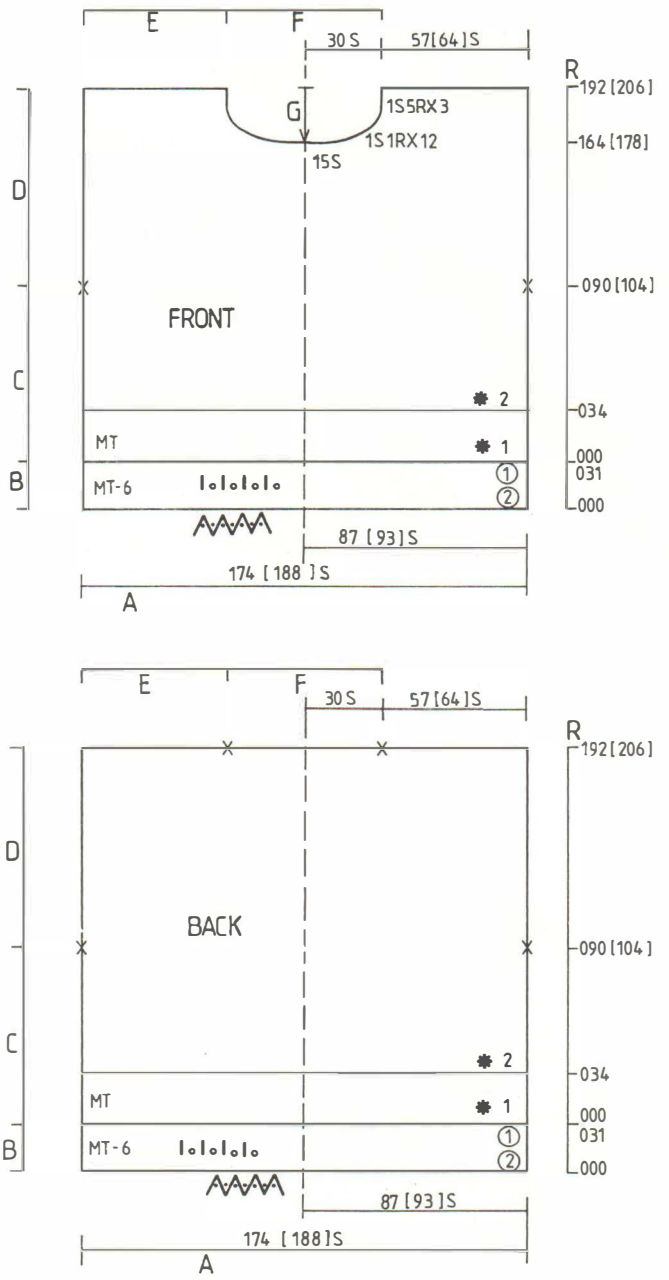

BACK:
With ribber in position and carriage at left, set machine for 1 × 1 rib. Push 87 (94) Ns at left and right of centre 0 to WP. 174 (188) Ns. Push corresponding Ns on ribber to WP. Arrange Ns for 1 × 1 rib. Using col 1, cast on and K 3 circular rows. Carriage is at left. Set carriage for 1 × 1 rib knitting. Set RC at 000. Using MT-6, K 13 rows. Using col 2, K 2 rows. Using col 1, K 2 rows. Using col 2, K 2 rows. Using col 1, K 12 rows. Transfer sts to knitter. Set RC at 000. Using MT, cont in patt given in Pattern Note. K to row 90 (104). Place marker at each end. K to row 192 (206). Place marker between sts 30 and 31 at left and right of centre 0. Cast off.

FRONT:
K as for back to row 164 (178).
Shape Neck.
Note position in patt. Shape as shown on diagram to row 192 (206). Cast off rem 57 (64) sts. Keep patt correct, K left part as for right part.

Continued on page 34

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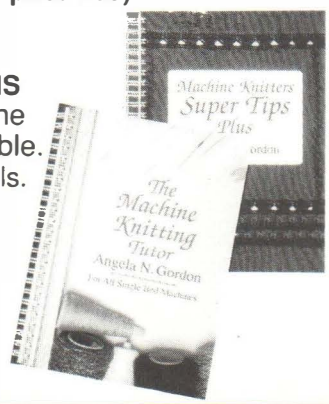

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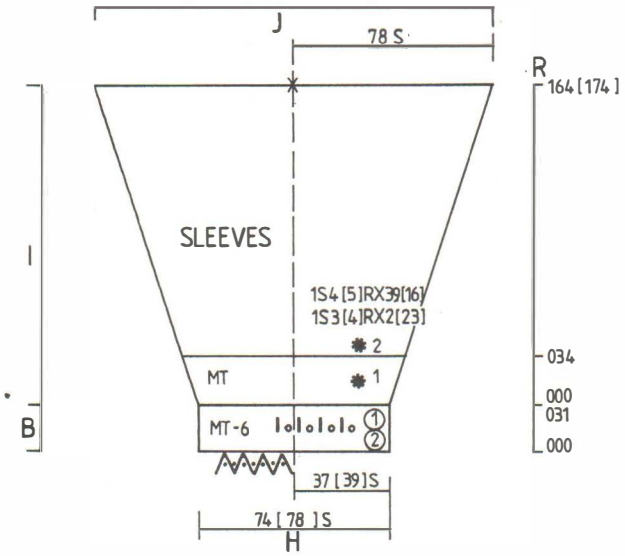
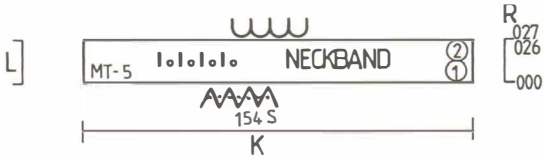
Pattern 1 *continued*

SLEEVES:
With ribber in position and carriage at left, set machine for 1 × 1 rib. Push 37 (39) Ns at left and right of centre 0 to WP. 74 (78) Ns. Push corresponding Ns on ribber to WP. Arrange Ns for 1 × 1 rib. Using col 1, cast on and K 3 circular rows. Carriage is at left. Set carriage for 1 × 1 rib knitting. Set RC at 000. Using MT-6, K 13 rows. Using col 2, K 2 rows. Using col 1, K 2 rows. Using col 2, K 2 rows. Using col 1, K 12 rows. Transfer sts to knitter. Set RC at 000. Using MT, cont in patt given in Pattern Note and shape as shown on diagram. 156 sts. K to row 164 (174). Place marker at centre 0. Cast off.

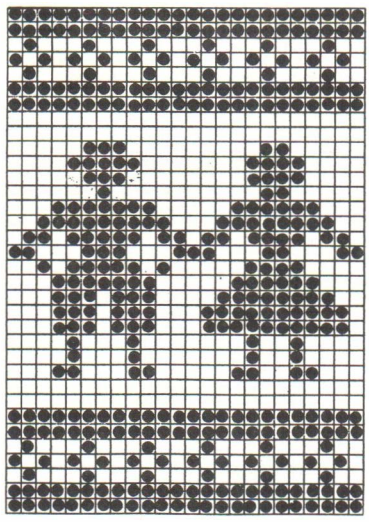
NECKBAND:
With ribber in position and carriage at left, set machine for 1 × 1 rib. Using col 1, cast on 154 sts in 1 × 1 rib. K 3 circular rows. Carriage is at left. Set carriage for 1 × 1 rib knitting. Set RC at 000. Using MT-5, K 16 rows. Using col 2, K 2 rows. Using col 1, K 2 rows. Using col 2, K 2 rows. Using col 1, K 4 rows. Transfer sts to knitter. Using MT, K 1 row. Using WY, K a few rows and release from machine.

TO MAKE UP:
Pin out to size and steam carefully. Join shoulder seams. Set in sleeves between markers. Join side and sleeve seams. Backstitch neckband into position and join centre back seam. Fold in half and catch down on inside. Give final light steam.

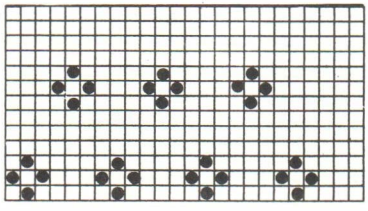




A =	58 [62.5] CM	G =	7CM
B =	6 CM	H =	24.5 [26] CM
C =	23 [26.5] CM	I =	42 [44.5] CM
D =	26CM	J =	52CM
E =	19 [21·25] CM	K =	51CM
F =	20 CM	L =	5.5CM



CARD 1



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FASHION FORECAST AUTUMN/WINTER 91

By Gail Abbot

The autumn/winter '91 mood for knitwear is essentially understated and relaxed. Fully fashioned fine gauge knits in body hugging shapes are generally topped with chunky, tunic shaped, sweaters and jackets. Leggings are often worn with knits as their long lean look contrasts so well with these big, oversized tops. Ease and comfort are the bywords for the season and fine layers create a look that is both sophisticated and easy-going.

'BODY' SHAPE

Knitted leggings must still be one of the most comfortable garments to wear. Knit these in a richly coloured 4-ply such as King Cole's Anti-Tickle which produces a soft comfortable fabric. For the most flattering shape, avoid skin tight leggings and go for a narrow tapered trouser held down under the foot with 'stirrups'. Team your leggings with a soft polo necked sweater or wear them with one of the newest shapes — the 'body'. Knitted in fine yarns, ribbed and cabled, the body usually has a polo neck and fastens under the crotch with popper's or buttons. The 'body' is warm and comfortable to wear too, and does away with the problem of keeping a sweater tucked in when you are stretching upwards.

CHENILLE

Chenille is still one of the most popular yarns, knitted into bright Fair Isles or abstract geometric patterns and made up into roomy tunic sweaters. Alternatively, use it on its own to create big cabled sweaters, generously shaped and as comfortable as a dressing gown. Chenille is also used to add extra texture, knitted as a contrast to DK or chunky yarns in extravagant intarsia patterns. Jamie and Jessie Seaton's hand knit designs include some chenille Fair Isles knitted in a beautiful range of this season's faded palette — shades of grey, lilac, smoke and dusky pinks. For a comprehensive set of colours on cone, take a look at Rowan's Fine Cotton Chenille, available on 250 gram cones, or find a cheaper alternative with Paton's acrylic DK Chenille. This quality is available in ball form only, but comes in a very good range of fashion colours.

HOMESPUN NATURALS

Natural yarns and colours have returned to the fashion knitwear scene with homespun yarns, slubbed and chunky, knitted into warm and wonderful sweaters and jackets. Atkif Knitwear have produced a marvellous range of 'Fresian Cow' designs, using neutrals with brown to form patches. Knitted in moss stitch, these sweaters have all edges embroidered in large blanket stitches to add a decorative dimension.

BRIGHT AND BEAUTIFUL

Knitwear patterns this season are inspired by a wide variety of sources; flowers are blooming everywhere to brighten up the gloom of mid-winter and these are generally knitted in bright and beautiful colourways, or appear in the faded brights which are such a strong feature of all the collections. A pretty version of this look, designed by Jamie and Jessie Seaton, is a pure wool cardigan knitted in ecru, featuring a beautiful 'flowered' intarsia collar, tied at the front.

Use the intarsia technique to give free reign to your own designs, and work rich tapestries of colour inspired by seed packets and gardening books. Use the charts

from hand knitting patterns or tapestry designs, or let your imagination run riot and design some primitive flower shapes. See Lucy Wilmot's simple flower tunic for an example of this.

PSYCHEDELIC

For the young at heart, there is a streak of nostalgia in this year's fashion collections which finds its echo in knitwear. The psychedelic look and vivid acid colours of the early 70's are reworked when lime green, orange and purple combine in swirls and paisley patterns. Not to everyone's taste, but fun for anyone who hasn't seen it all before!

However, the 70's are invoked in a much more wearable way with the crochet sweaters and cardigans which have been popular all summer. Crochet motifs are linked together to make open-work garments, or knitted shapes are trimmed with wide borders of crochet. Any pattern can be adapted for this — simply omit the ribs and add a border of crochet afterwards.

TRADITIONAL IDEAS

Traditional patterns are represented by Navaho Indian designs with their faded blues, reds, greens and pinks, subtly striped and interspersed with the geometric shapes and star motifs of traditional woven blankets. Lucy Wilmot has designed a beautiful machine knitted jacket using this as inspiration — short in shape plus a Fair Isle collar.

The patterns of the Fair Isles never seem to go out of fashion and Edina Ronay's range of hand knits combine natural tones with the softest shades to create a feeling of understated traditional knitting. Lucy Wilmot's machine knitted collection has long, tunic-shaped sweaters with brightly coloured Fair Isles knitted on a background of flecked botany — all teamed up with matching leggings and scarves to create a total look.

BEADS

Beaded knitwear has been a strong feature of Artwork's collections for a few seasons now and these are still going strong — cowboy jackets with beaded yokes knitted in Rowan's Denim Indigo yarn. Sequins are featured too this year on shaped lacy sweaters, knitted in mercerised cottons and other shiny yarns. The sequins are 'knitted-in' and add the perfect touch for winter party wear. Artwork's collection of denim knits includes a range of traditional fishermen's sweaters and these are shown all year round for both men and women.

Looking around the designer shows and seeing the abundance of knitwear was very exciting this year. The wide variety of influences make a real change from one particular dominating theme, and the overall emphasis on 'easy-to-knit' and 'easy-to-wear' styles is one that can only be welcomed by us all. So, make the most of your knitting machine this winter and take your lead from the fashion world, where knitwear has never been so popular.

PERSIAN TILE JACKET

Soft blue, cream and flashes of gold are used for this beautiful and unusual jacket. A variety of Fair Isle patterns, Intarsia and a touch of Swiss darning are cleverly combined to create this 'work of art'.

For standard gauge punchcard machines with Intarsia carriage and electronic machines.

SIZES:
To fit 86–96 cms, 34–38 inch bust.

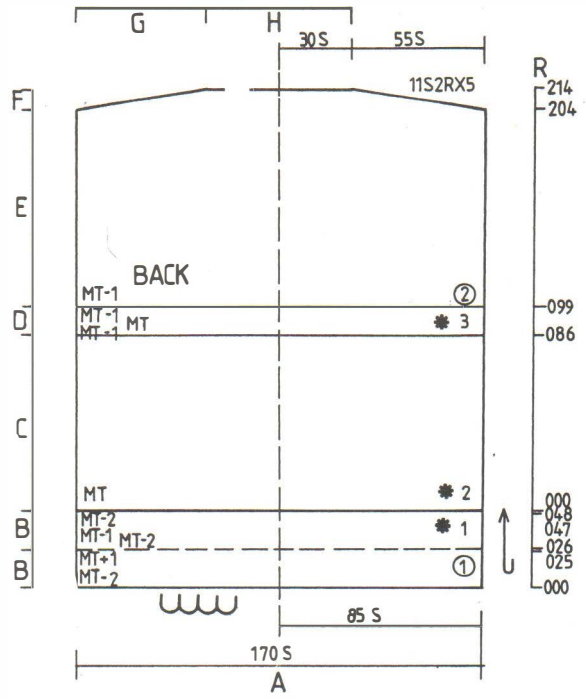
APPROXIMATE YARN TYPES AND AMOUNTS:
Col 1 (Slate Blue) — 400 grms (King Cole Anti-Tickle 4ply).
Col 2 (Aran) — 260 grms (King Cole Anti-Tickle 4ply).
Col 3 (Gold) — A small amount (thick yarn or ribbon).
3 frog fasteners.
OR 15 grms Gold Yarn for embroidery and crochet fasteners.
6 gold buttons.
Small crochet hook.
NB: Our buttons were made by embroidering Newey Creative buttons (size 22 mm) using Gold yarn.

TENSIONS:
Fair Isle Pattern 2 — 32 sts and 37 rows to 10 cms. TD at approx 9 (MT). Stocking Stitch — 32 sts and 40 rows to 10 cms. TD at approximately MT-1.

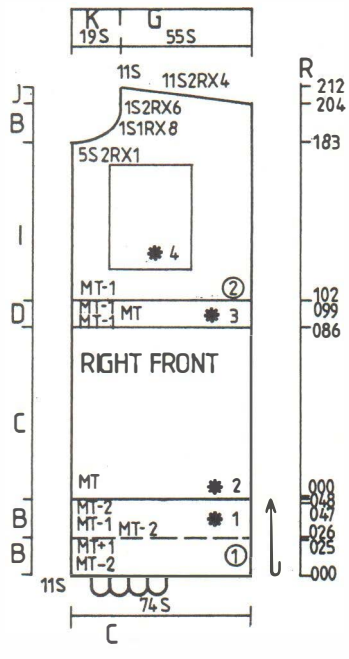
PATTERN NOTE:
Fair Isle — see charts 1, 2 and 3 (electronic — needle 1 cam between Ns 12 and 13 at left of centre 0. Button 2 (left 580) or (right 560).
Single Motif — see chart 4 or Intarsia chart.
Fair Isle Pattern 1.
Insert card 1 and lock on row 1. Using MT-2 and col 1, K 2 rows. Release card. Set carriage for Fair Isle. Using MT-1 and col 1 in feeder 1, col 2 in feeder 2, K 17 rows. Remove card. Set carriage for st st. Using MT-2 and col 1, K 2 rows.
Fair Isle Pattern 2.
Insert card 2 and lock on row 1. Take carriage across twice without knitting. Release card. Set carriage for Fair Isle. Using MT and col 1 in feeder 1, col 2 in feeder 2, K as required. Remove card.
Fair Isle Pattern 3.
Insert card 3 and lock on row 1. Using MT-1 and col 1, K 2 rows st st. Release card. Set carriage for Fair Isle. Using MT and col 1 in feeder 1, col 2 in feeder 2, K 9 rows. Remove card. Set carriage for st st. Using MT-1 and col 1, K 2 rows.
Single Motif.
Electronic machines — Insert card 4 and lock on row 1. Set pattern width indicator at 35. Set machine to knit single motif over sts 17 to 51 inclusive from front edge. Take carriage across twice without knitting. Release card. Set carriage for Fair Isle. Using MT and col 2 in feeder 1, col 1 in feeder 2, K 80 rows.
Punchcard Machines — Cont in Intarsia over sts 13 to 55 from front edge (43 sts), K 74 rows.

If you have any problems locating King Cole Anti-Tickle 4ply wool, please write to the address below for local stockist and mail order information. Please quote this issue of *Modern Machine Knitting*.

King Cole Ltd, Merrie Mills, Old Souls Way. Bingley, West Yorkshire BD16 2AX.
Buttons by:
Newey Goodman Ltd, Sedgley Road West, Tipton, West Midlands DY4 8AH.



BACK:
Push 85 Ns at left and right of centre 0 to WP. 170 Ns. Using MT and WY, cast on and K a few rows ending with carriage at right. Set RC at 000. Using MT-2 and col 1, K 25 rows. Using MT+1, K 1 row. Cont in Fair Isle patt 1, K 21 rows. Make a hem by placing loops of first row worked in col 1 on to corresponding Ns. Unravel WY when work is completed. Using MT, K 1 row. Set RC at 000. Cont in Fair Isle patt 2, K to row 86. Cont in Fair Isle patt 3, K to row 99. Cont in st st. Using MT-1 and col 2, K to row 204.
Shape Shoulders.
Shape as shown on diagram to row 214.
Cast off rem 60 sts.



RIGHT FRONT:
Push Ns 12 to 85 inclusive at right of centre 0 to WP. 74 Ns. Using MT and WY, cast on and K a few rows ending with carriage at right. Set RC at 000. Using MT-2 and col 1, K 25 rows. Using MT+1, K 1 row. Cont in Fair Isle patt 1, K 21 rows. Make a hem by placing loops of first row worked in col 1 on to corresponding Ns. Unravel WY when work is completed. Using MT, K 1 row, Set RC at 000. Cont in Fair Isle patt 2, K to row 86. Cont in Fair Isle patt 3, K to row 99. Cont in st st. Using MT-1 and col 2, K to row 102. Cont in single motif patt, then in st st and col 2, K to row 183.
Shape Neck.
Shape as shown on diagram to row 204.
Shape Shoulder.
Shape as shown on diagram to row 212.
Cast off rem 11 sts.

A = 53 CM	G = 17 CM	M = 36 CM
B = 5 CM	H = 19 CM	N = 52 CM
C = 23 CM	I = 21 CM	O = 46 CM
D = 3.5 CM	J = 2 CM	P = 9.5 CM
E = 26 CM	K = 6 CM	Q = 52.5 CM
F = 2.5 CM	L = 30.5 CM	

LEFT FRONT:
K as for right front but in reverse.

Continued on page 42

Pattern 3

DUTCH TILE CARDIGAN

This classic V necked cardigan uses an attractive Fair Isle pattern to create a cool tile effect in timeless navy and cream. This is the ideal garment to co-ordinate with those essential classics in your wardrobe. Why not try reversing the colours for a different mood.

For standard gauge punchcard and electronic machines with ribbing attachment.

SIZES:
To fit 86–91 (91–101) cms, 34–36 (38–40) inch bust.

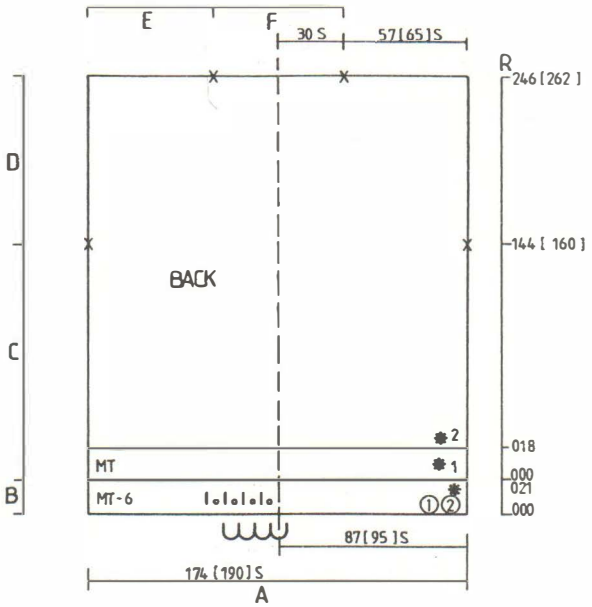
APPROXIMATE YARN TYPES AND AMOUNTS:
Spectrum Vermont 4ply Perle.
Col 1 (Cream) — 325 (375) grms.
Col 2 (Navy) — 200 (250) grms.
7 buttons.

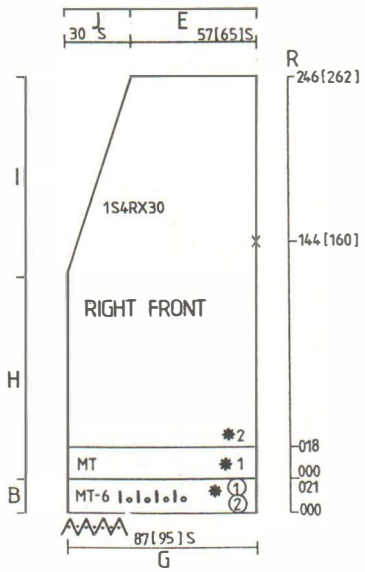
TENSION:
Fair Isle — 30 sts and 40 rows to 10 cms.
TD at approx. 9 (MT).

PATTERN NOTE:
Fair Isle — see charts.
Insert card 1 and lock on first row. Col 2 in feeder 1 only, K 2 rows. Col 1 in feeder 1 only, K 2 rows. Release card. Set carriage for Fair Isle. Col 1 in feeder 1, col 2 in feeder 2, K 10 rows. Remove card. Insert card 2 and lock on first row. Set carriage for st st. Col 1 in feeder 1 only, K 2 rows. Col 2 in feeder 1 only, K 2 rows. Release card. Set carriage for Fair Isle. Col 1 in feeder 1. Col 2 in feeder 2 throughout.
Stripe pattern.
K 2 rows col 2, 4 rows col 1.

If you have any problems locating Spectrum Vermont 4ply Perle, please write to the address below for local stockist and mail order information. Please quote this issue of *Modern Machine Knitting*.

Spectrum Yarns Ltd,
Bankwell Road,
Milnsbridge,
Huddersfield,
West Yorkshire HD3 4LU.





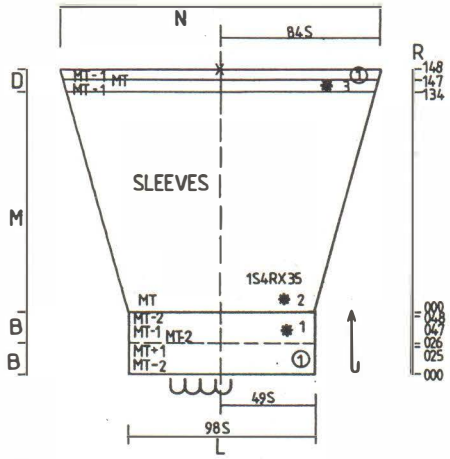
BACK:
With ribber in position and carriage at left, set machine for 1 × 1 rib. Push 87 (95) Ns at left and right of centre 0 to WP. 174 (190) Ns. Push corresponding Ns on ribber to WP. Arrange Ns for 1 × 1 rib. Using col 1, cast on and K 3 circular rows. Carriage is at left. Set carriage for 1 × 1 rib knitting. Set RC at 000. Using MT-6, K 3 rows. Cont in stripe patt, K 18 rows. Transfer sts to knitter. Set RC at 000. Using MT, cont in Fair Isle patt. K to row 144 (160). Place marker at each end. K to row 246 (262). Mark between sts 30 and 31 at left and right of centre 0 with WY. Cast off.

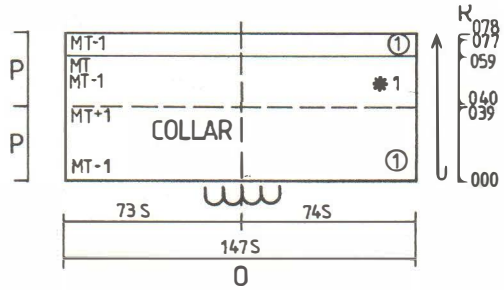
RIGHT FRONT:
With ribber in position and carriage at left, set machine for 1 × 1 rib. Push 87 (95) Ns at right of centre 0 to WP. Push corresponding Ns on ribber to WP. Arrange Ns for 1 × 1 rib. Using col 1, cast on and and K 3 circular rows. Carriage is at left. Set carriage for 1 × 1 rib knitting. Set RC at 000. Using MT-6, K 3 rows. Cont in stripe patt, K 18 rows. Transfer sts to knitter. Set RC at 000. Using MT, cont in Fair Isle patt. K to row 124 (140). Place marker at left edge.
Shape Front Edge.
Shape as shown on diagram to row 246 (262), marking right edge on row 144 (160). Cast off rem 57 (65) sts.

LEFT FRONT:
K as for right front but in reverse.

Continued on page 43

SLEEVES:
Push 49 Ns at left and right of centre 0 to WP. 98 Ns. Using MT and WY, cast on and K a few rows ending with carriage at right. Set RC at 000. Using MT-2 and col 1, K 25 rows. Using MT+1, K 1 row. Cont in Fair Isle patt 1, K 21 rows. Make a hem by placing loops of first row worked in col 1 on to corresponding Ns. Unravel WY when work is completed. Using MT, K 1 row. Set RC at 000. Cont in Fair Isle patt 2 and shape as shown on diagram to row 134. Cont in Fair Isle patt 3 to row 147. 168 sts. Using col 1, K 1 row. Place marker at centre 0. Cast off.





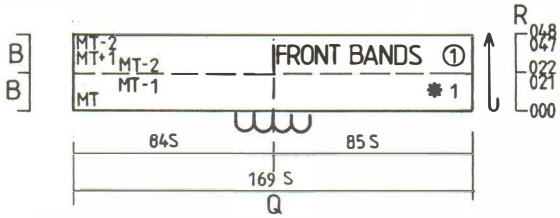
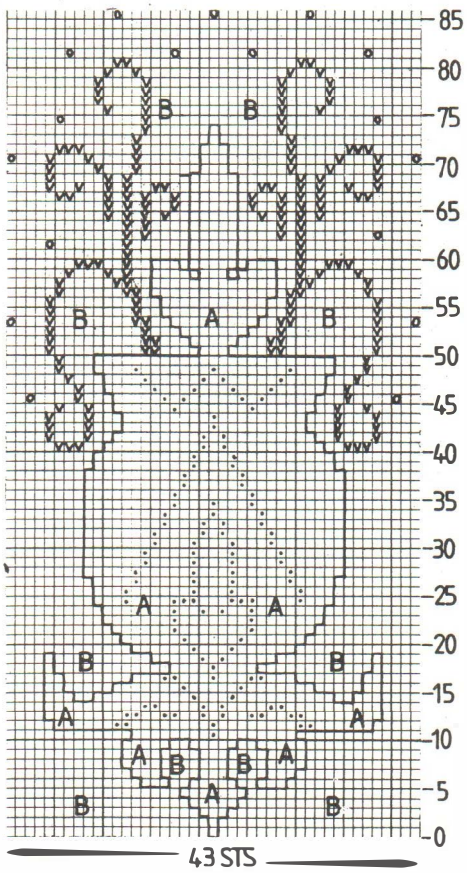


CHART 4



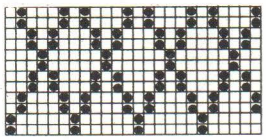


CHART 2

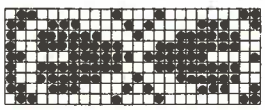
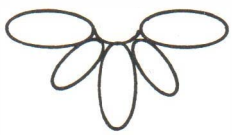


CHART 3

DIAGRAM 1

DIAGRAM 2



INTARSIA CHART

KNIT MAIN SHAPE IN COLS 1 AND 2, THEN SWISS DARN AS FOLLOWS:

- • SWISS DARN IN Col 2
- V SWISS DARN IN Col 1
- o SWISS DARN IN Col 3

ELECTRONIC MACHINES

FILL IN OUTLINED, V AND • AREAS ON YOUR DESIGN SHEET. N1 MARKER 12 STS LEFT OF 0

PATTERN DIRECTION: REVERSE BUTTON ON

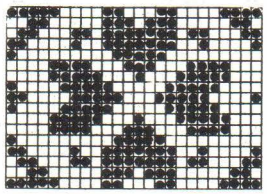
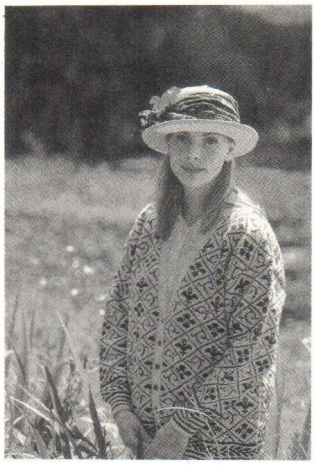


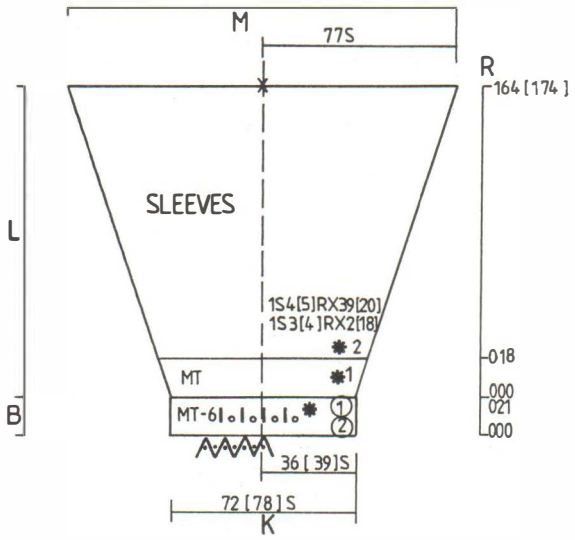
CHART 1

COLLAR:
Push 73 Ns at left and 74 Ns at right of centre 0 to WP. 147 Ns. Using MT and WY, cast on and K a few rows ending with carriage at right. Set RC at 000. Using MT and col 1, K 39 rows. Using MT+1, K 1 row. Insert card 1 and lock on row 1. Using MT-1, K 2 rows. Release card. Set carriage for Fair Isle. Using MT and col 1 in feeder 1, col 2 in feeder 2, K 17 rows. Set carriage for st st. Using MT-1 and col 1, K to row 77. Make a hem by placing loops of first row worked in col 1 on to corresponding Ns. Unravel WY when work is completed. Using MT, K 1 row. Cast off.

FRONT BANDS:
Push 84 Ns at left and 85 Ns at right of centre 0 to WP. 169 Ns. Using MT and WY, cast on and K a few rows ending with carriage at right. Set RC at 000. Cont in Fair Isle patt 1, K 21 rows. Using MT+1 and col 1, K 1 row st st. Using MT-2, K 25 rows. Make a hem by placing loops of first row worked in col 1 on to corresponding Ns. Unravel WY when work is completed. Using MT, K 1 row. With wrong side facing, pick up 18 sts along side edge of welt and 151 sts along front edge and place on to Ns. Using MT+1, K 2 rows. Cast off.

TO MAKE UP:
Pin out to size and steam carefully. Join shoulder seams. Set in sleeves above patt 3. Join side and sleeve seams. Sew collar to neck edge. Using a crochet hook and col 1, join lower ends of bands with double crochet. Join ends of collar in the same way.
Electronic single motif — Swiss darn in col 3 following Intarsia chart.
Punchcard single motif — Swiss darn in col 1, col 2 and col 3 following Intarsia chart. Sew on frog fasteners, matching to flowers on front bands as shown in photograph *or* make frog fasteners as follows:
Using small crochet hook and col 3, make a loop of approx 18 ch (to fit round button). Then make approx 3 ch and another loop of 18 ch; width should match width across centre front between centres of 2 flower motifs.
Now work back along the centre chain as follows: 10 ch, 1 slip st into centre ch of 3, 15 ch, 1 slip st into same centre ch of 3, 10 ch, 1 slip st into 1st ch of loop.
Sew buttons in position and place fastenings across them; sew fastenings down at right-hand side if required.

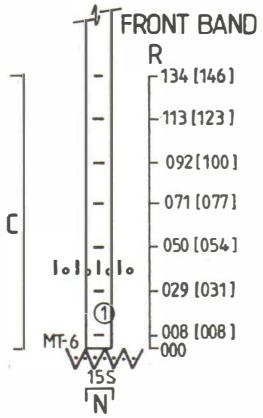




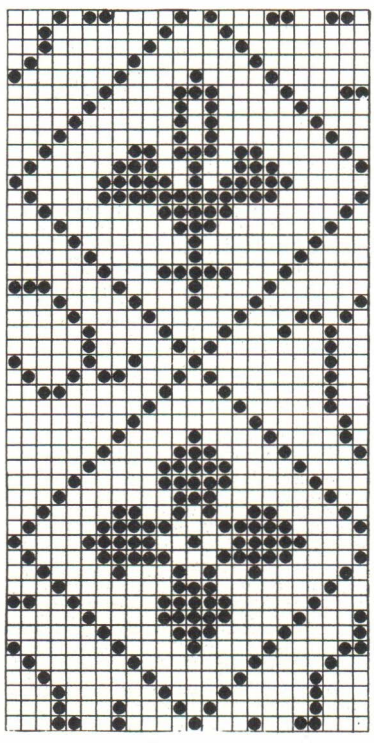
SLEEVES:
With ribber in position and carriage at left, set machine for 1 × 1 rib. Push 36 (39) Ns at left and right of centre 0 to WP. 72 (78) Ns. Push corresponding Ns on ribber to WP. Arrange Ns for 1 × 1 rib. Using col 1, cast on and K 3 circular rows. Carriage is at left. Set carriage for 1 × 1 rib knitting. Set RC at 000. using MT-6, K 3 rows. Cont in stripe patt, K 18 rows. Transfer sts to knitter. Set RC at 000. Using MT, cont in Fair Isle patt and shape as shown on diagram to row 164 (174). 154 sts. Mark centre with WY. Cast off.

FRONT BAND:
With ribber in position and carriage at left, set machine for 1 × 1 rib. Using col 1, cast on 15 sts in 1 × 1 rib. K 3 circular rows. Carriage is at left. Set carriage for 1 × 1 rib knitting. Set RC at 000. Using MT-6, K to row 134 (146) marking buttonholes by transferring centre st to adjacent N and leaving empty N in WP on rows shown on diagram. Cont to K until band is long enough to go along both front edges and across back of neck. Cast off.

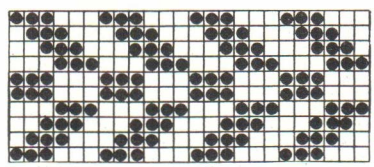
TO MAKE UP:
Pin out to size and steam carefully. Join shoulder seams. Set in sleeves between markers. Join side and sleeve seams. Sew front band into position. Sew on buttons to correspond with buttonholes. Give final light steam.



A = 58 [63] CM	F = 20 CM	K = 24 [26] CM
B = 5 CM	G = 29 [31.5] CM	L = 41 [43.5] CM
C = 36 [40] CM	H = 31 [35] CM	M = 51 CM
D = 25.5 CM	I = 30.5 CM	N = 3 CM
E = 19 [21.5] CM	J = 10 CM	



CARD 2



CARD 1

CHENILLE TILES

Think of Mediterranean blues and mix rich tones together in Fair Isle, then introduce sunshine gold in a striking border pattern. We've used soft chenille for added texture in this easy to wear design which can be teamed with leggings for this season's fashion looks.

For standard gauge punchcard and electronic machines with ribbing attachment.

SIZES:
To fit 91–96 (101–106, 112–117) cms, 36–38 (40–42, 44–46) inch bust.

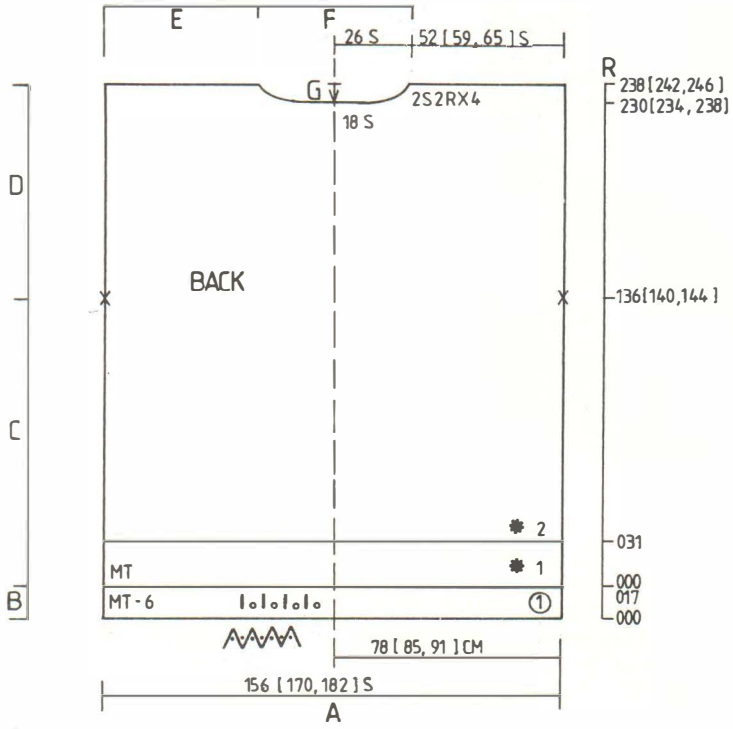
APPROXIMATE YARN TYPES AND AMOUNTS:
Yeoman's Chenille.
Col 1 (Navy) — 320 (370, 420) grms.
Col 2 (Gold) — 30 (50, 70) grms.
Col 3 (Turquoise) — 220 (250, 280) grms.

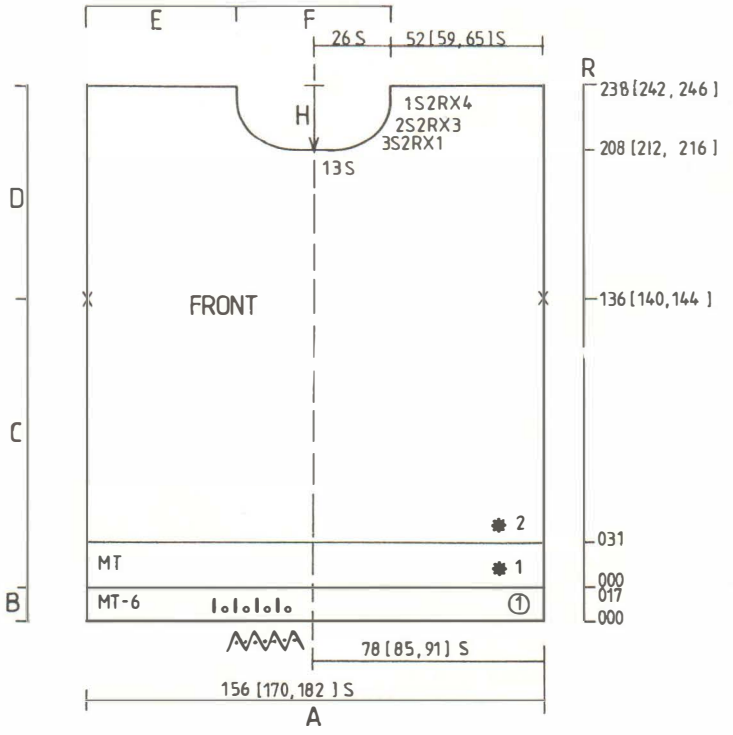
TENSIONS:
Fair Isle Patterns 1 and 2 — 26 sts and 36 rows to 10 cms. TD at approx 9 (MT). 1 × 1 rib — 42 rows to 10 cms. TDs at approx MT-6.

PATTERN NOTE:
Fair Isle Patterns 1 and 2 — see charts. Insert card 1 and lock on row 1. Col 1 in feeder 1 only, K 2 rows. Release card. Set carriage for Fair Isle. Col 1 in feeder 1, col 2 in feeder 2, K 27 rows. Remove card. Insert card 2 and lock on row 1. Set carriage for st st. Col 1 in feeder 1 only, K 2 rows. Release card. Set carriage for Fair Isle. Col 1 in feeder 1, col 3 in feeder 2 throughout.

If you have any problems locating Yeoman Chenille, please write to the address below for local stockist and mail order information. Please quote this issue of *Modern Machine Knitting*.

Yeoman Yarns,
31 High Street,
Kibworth,
Leicester LE8 0HS.



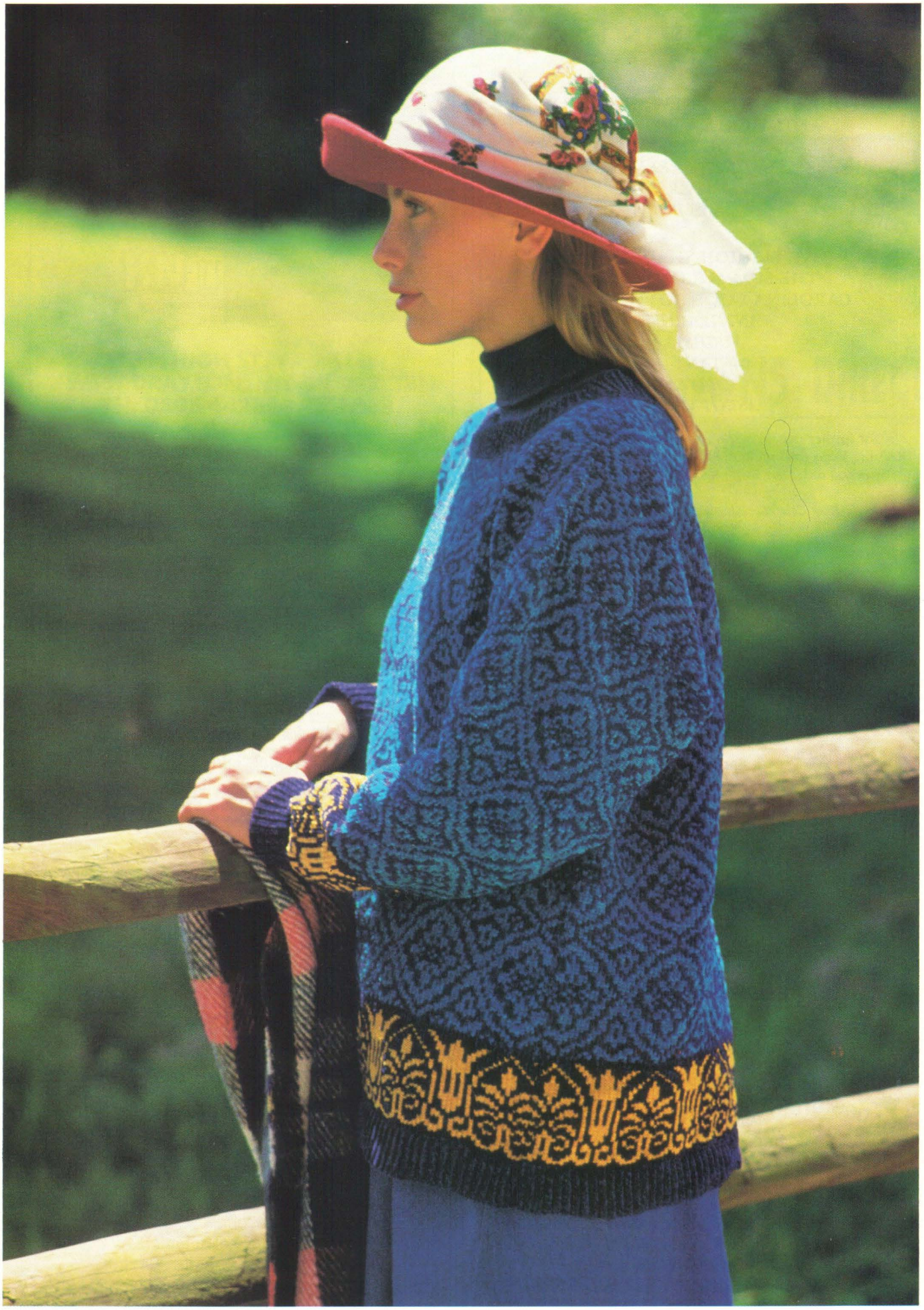


BACK:
With ribber in position and carriage at left, set machine for 1 × 1 rib. Push 78 (85, 91) Ns at left and right of centre 0 to WP. 156 (170, 182) Ns. Push corresponding Ns on ribber to WP. Arrange Ns for 1 × 1 rib. Using col 1, cast on and K 3 circular rows. Carriage is at left. Set carriage for 1 × 1 rib knitting. Set RC at 000. Using MT-6, K 17 rows. Transfer sts to knitter. Set RC at 000. Using MT, cont in patt given in Pattern Note. K to row 136 (140, 144). Place marker at each end. K to row 230 (234, 238).

Shape Back Neck
Note position in patt. Shape as shown on diagram to row 238 (242, 246). Cast off rem 52 (59, 65) sts. Keeping patt correct, K left part as for right part.

FRONT:
K as for back to row 208 (212, 216).
Shape Neck
Note position in patt. Shape as shown on diagram to row 238 (242, 246). Cast off rem 52 (59, 65) sts. Keeping patt correct, K left part as for right part.

Continued on page 46



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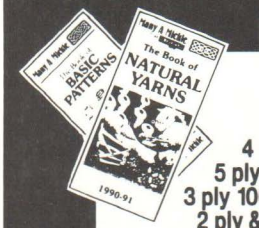

Shades	
Shetland Wool	87
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4 ply Fleck Tweed	13
5 ply Guernsey Wool	5
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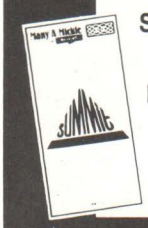
2 ply & 4 ply Botany Wool	39
Slub Cotton plain & mixtures	35
Mohair 4 ply & Chunky	85
3 ply Sock Wool	5
Mercerised Cotton 2/10, DK	46
2, 3 & 4 ply Soft Cotton	99
* Aran plain & colours	31
Acrylic & fancy yarns	73
TOTAL SHADES	633



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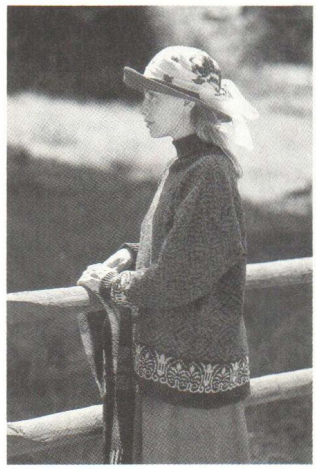
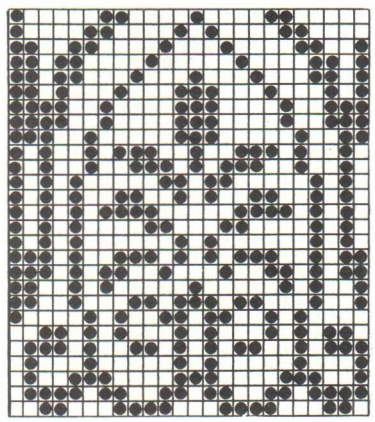
Pattern 4



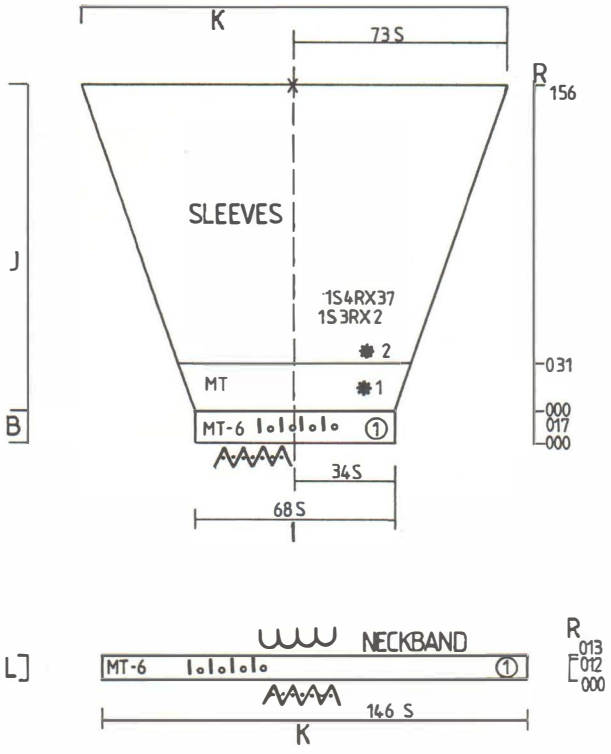
SLEEVES:
With ribber in position and carriage at left, set machine for 1 × 1 rib. Push 34 Ns at left and right of centre 0 to WP. 68 Ns. Push corresponding Ns on ribber to WP. Arrange Ns for 1 × 1 rib. Using col 1, cast on and K 3 circular rows. Carriage is at left. Set carriage for 1 × 1 rib knitting. Set RC at 000. Using MT-6, K 17 rows. Transfer sts to knitter. Set RC at 000. Using MT, cont in patt given in Pattern Note, *at the same time,* shape as shown on diagram. 146 sts. K to row 156. Mark centre with WY. Cast off.

NECKBAND:
With ribber in position and carriage at left, set machine for 1 × 1 rib. Using col 1, cast on 146 sts in 1 × 1 rib. K 3 circular rows. Carriage is at left. Set carriage for 1 × 1 rib knitting. Set RC at 000. Using MT-6, K 12 rows. Transfer sts to knitter. Using MT, K 1 row. Using WY, K a few rows and release from machine.

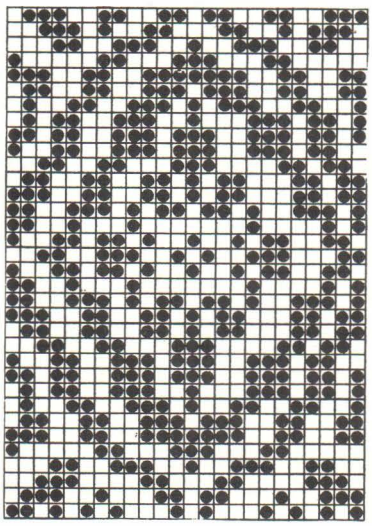
TO MAKE UP:
Pin out to size and steam carefully. Join shoulder seams. Set in sleeves between markers. Join side and sleeve seams. Backstitch neckband into position and join centre back seam. Give final light steam.



CARD 1



A = 60 [65,70] CM	G = 2CM
B = 4CM	H = 8CM
C = 38 [39, 40] CM	I = 26CM
D = 28CM	J = 43CM
E = 20 [22.5, 25] CM	K = 56CM
F = 20 CM	L = 3CM



CARD 2

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HABERDASHERY

TOPSTITCHER JACKET

This unusual shawl collared jacket, with its attractive surface detail, has been designed as an 'exclusive' for this issue of *Modern Machine Knitting*. Knitted in Christian de Falbe Chandos II (a fully washable DK wool), the style illustrates the versatility of the Newey TOPSTITCHER. The Topstitcher is easy to use and is an extremely handy accessory for creating interesting surface texture and pattern on knitwear. Read our TOPSTITCHER REVIEW in this issue for more ideas.

For 6.5 mm machines (Silver Reed — LK150 and SK860).

SIZES:
To fit 86–91 (96–101) cms, 34–36 (38–40) inch bust.

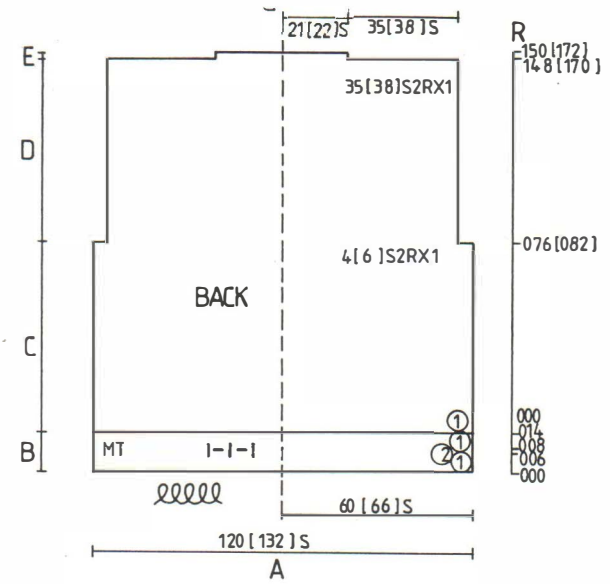
APPROXIMATE YARN TYPES AND AMOUNTS:
Christian De Falbe Chandos II.
Col 1 (Pansy) — 11 (13) × 50 grm balls.
Col 2 (Navy) — 1 × 50 grm ball.
Col 3 (Amber) — 1 × 50 grm ball.
Col 4 (Ivory) — 1 × 50 grm ball.
2 buttons.

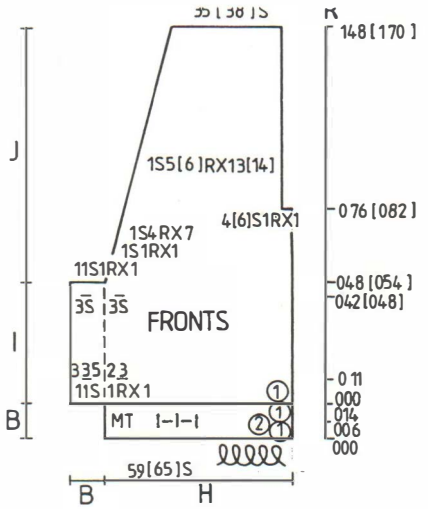
TENSION:
Stocking Stitch — 24 sts and 30 rows to 10 cms. TD at approx. 3 (MT).

PATTERN NOTE:
Stocking Stitch.
Buttonholes—Using col 1, cast sts off, then cast on again.

If you have any problems locating Christian de Falbe Chandos II, please write to the address below for local stockist and mail order information. Please quote this issue of *Modern Machine Knitting*.
The Handknitting Company Ltd,
Sunderland House,
Sunderland Street,
Macclesfield SK11 6JF.

If you have any problems locating the Topstitcher, please refer to the Topstitcher Review in this issue and write to the addresses given at the end of the article.





BACK:
Using col 1, cast on 120 (132) sts by hand. Set RC at 000. Using MT, K 6 rows. Using col 2, K 2 rows. Using col 1, K 6 rows. Drop every alt st and pick up as for ribbing. Set RC at 000. K to row 76 (82).
Shape Armholes.
Shape as shown on diagram. 112 (120) sts. K to row 148 (170).
Shape Shoulders.
Shape as shown on diagram to row 150 (172). Cast off rem 42 (44) sts.

RIGHT FRONT:
Using col 1, cast on 59 (65) sts by hand. Set RC at 000. Using MT, K 6 rows. Using col 2, K 2 rows. Using col 1, K 6 rows. Drop every alt st and pick up as for ribbing. Set RC at 000. K 1 row.
Facing.
Shape as shown on diagram. 70 (76) sts. K to row 11. Make buttonholes over Ns shown on diagram. K to row 42 (48). Make buttonhole over same Ns as before. K to row 47 (53). Shape as shown on diagram to row 48 (54). 60 (66) sts.
Shape Front Edge.
Shape as shown on diagram to row 76 (82).
Shape Armhole.
Shape as shown on diagram to 148 (170). Cast off rem 35 (38) sts.

LEFT FRONT:
K as for right front but in reverse omitting buttonholes.

Continued on page 50

Pattern 5

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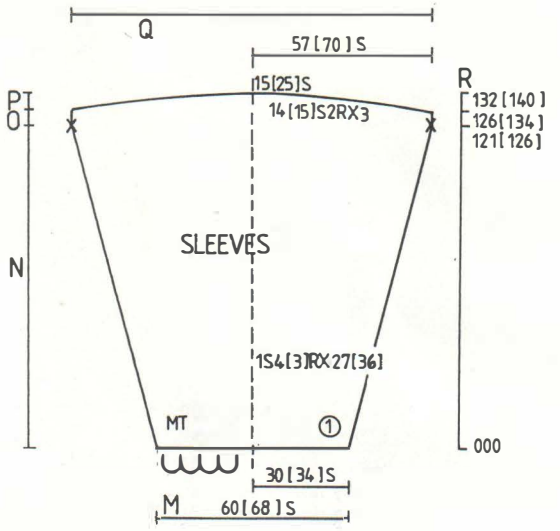
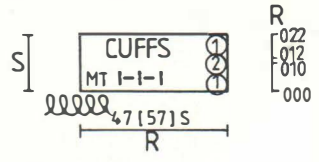
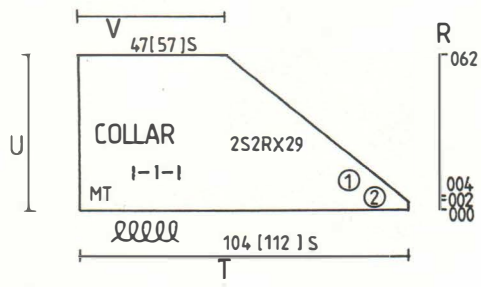
Pattern 5 *continued*







A = 50 [55] CM	H = 24.5 [27] CM	Q = 47.5 [58.5] CM
B = 4.5 CM	I = 15.5 [17.5] CM	R = 19.5 [21] CM
C = 25 [27] CM	J = 33.5 [39] CM	S = 7 CM
D = 24 [29.5] CM	M = 25 [28] CM	T = 43.5 [47] CM
E = 0.5 CM	N = 40.25 [42] CM	U = 20.5 CM
F = 14.5 [16] CM	O = 1.75 [2.5] CM	V = 19.5 [23.5] CM
G = 17.5 [18] CM	P = 2 CM	

SLEEVES:
Push 60 (68) Ns to WP. Using MT and WY, cast on and K a few rows ending with carriage at right. Set RC at 000. Using col 1, shape as shown on diagram to row 121 (126). 114 (140) sts. Place marker at each end. K 5 (8) rows.
Shape Top.
Shape as shown on diagram to row 132 (140). Cast off rem 30 (50) sts.

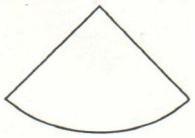
CUFFS:
Using col 1, cast on 47 (51) sts by hand. Set RC at 000. Using MT, K 10 rows. Using col 2, K 2 rows. Using col 1, K 10 rows. Drop every alt st and pick up as for ribbing. With wrong side of sleeve facing, pick up sts from below WY and place on to Ns gathering evenly. K 1 row. Cast off.

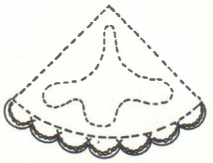
LEFT COLLAR:
Using col 2, cast on 105 (115) sts by hand. Set RC at 000. Using MT, K 2 rows. Using col 1, K 2 rows. Drop every alt st and pick up as for ribbing. Keeping rib correct, shape as shown on diagram to row 62. 47 (57) sts. Drop rem alt sts and pick up as for ribbing. Cast off.

RIGHT COLLAR:
K as for left collar but in reverse.

TOP STITCHING:
Trace and cut 26 (28) paper shapes using template. Pin 8 (9) shapes evenly spaced on to each front as in photograph. Now tack wavy line in position. Follow wavy line using double top stitch and col 2. Now top stitch each shape using col 2, 3 and 4, following diagram as a guide.

TOPSTITCHING MOTIF





STEP 1: SINGLE TOPSTITCHING USING COL 3, FOLLOWING PAPER SHAPE. NOW REMOVE SHAPE

STEP 2: SINGLE TOPSTITCH USING COL 4.

STEP 3: WORK STARTING STITCH AT CORNER USING COL 2. NOW WORK 4 SINGLE TOPSTITCH, OMITTING TO PASS TOPSTITCHER THROUGH KNITTING, WORK 5TH SINGLE TOPSTITCH IN THE USUAL WAY AT POSITION OF FIRST CROSS, COMPLETE CURVED EDGE OF SHAPE IN THIS WAY, 7 LOOPS WORKED IN ALL.

Pin 5 shapes on to each sleeve, positioning first shape with point at centre, 8 cm above first row. Position rem shapes evenly spaced as shown in photograph. Tack and complete as for fronts.

TO MAKE UP:
Pin out to size and steam. Join shoulder seams. Set in sleeves, sewing rows above markers to cast off sts at armholes. Join side and sleeve seams. Fold front facings to inside and catch down. Finish buttonholes. Join collar seam. Sew collar into position with seam at centre back. Sew on buttons. Give final light steam.

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Pattern 6

DELFT BORDER CARDIGAN

Choose a basic cardigan style and create this attractive effect by utilising one of your basic, small pattern repeats to knit in place of a solid stripe. Add a strong border pattern to complete the mood and wear this versatile design with your favourite separates.

For standard gauge punchcard and electronic machines with ribbing attachment.

SIZES:
To fit 86 (91, 96, 101) cms, 34 (36, 38, 40) inch bust.

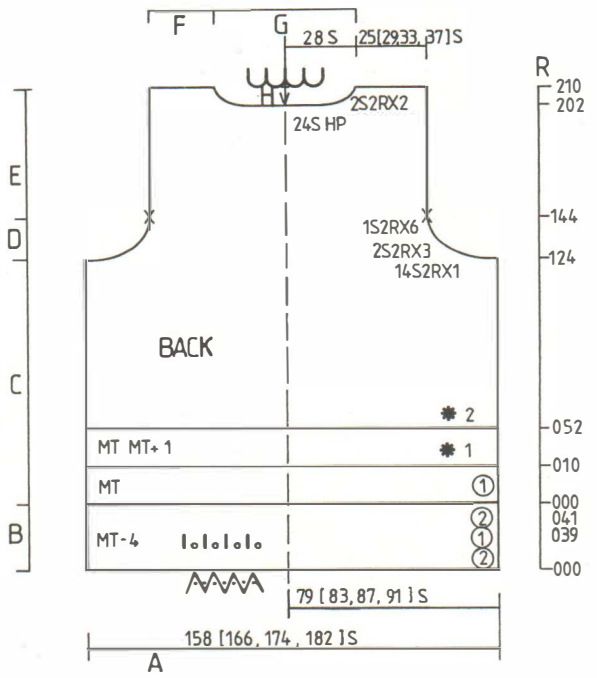
APPROXIMATE YARN TYPES AND AMOUNTS:
Tamm Trenzi 4ply.
Col 1 (White) — 1 × 450 grm cone
Col 2 (Blue) — 70 (80, 90, 100) grms.
10 blue buttons.

TENSIONS:
Stocking stitch — 29 sts and 39 rows to 10 cms. TD at approx 8 (MT).
Fair Isle — 29 sts and 39 rows to 10 cms. TD at approx MT+1.
1 × 1 Rib (Buttonhole Band) — 32.5 sts to 10 cms. TD's at MT-3.

PATTERN NOTE:
Fair Isle — see charts.
Insert card 1 and lock on row 1. Take carriage across twice without knitting. Release card. Set carriage for Fair Isle. Using MT+1 and col 1 in feeder 1, col 2 in feeder 2, K 2 rows. Using MT and col 2 in feeder 2, K 2 rows. Col 1 in feeder 1, K 2 rows. Using MT+1 and col 1 in feeder 1, col 2 in feeder 2, K 2 rows. Col 1 in feeder 1, K 2 rows. Col 1 in feeder 1, col 2 in feeder 2, K 10 rows. Col 1 in feeder 1, K 2 rows. Col 1 in feeder 1, col 2 in feeder 2, K 10 rows. Col 1 in feeder 1, K 1 row. Col 1 in feeder 1, col 2 in feeder 2, K 2 rows. Using MT and col 1 in feeder 1, K 2 rows. Col 2 in feeder 2, K 2 rows. Using MT+1 and col 1 in feeder 1, col 2 in feeder 2, K 2 rows. Remove card. Insert card 2 and lock on row 1. Set carriage for st st. Using MT and col 1 in feeder 1, K 20 rows. *Release card. Set carriage for Fair Isle. Using MT+1 and col 1 in feeder 1, col 2 in feeder 2, K 3 rows. Lock card on row 1. Set carriage for st st. Using MT and col 1 in feeder 1, K 21 rows*. Rep from * to * throughout.

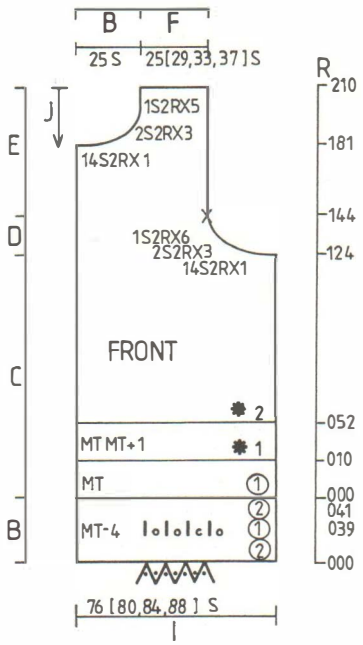
If you have any problems locating Tamm Trenzi, please write to the address below for local stockist and mail order information. Please quote this issue of *Modern Machine Knitting*.

Tamm Yarns,
The House of Corbiere,
Weston Road,
Weston-upon-Trent,
South Derbyshire DE7 2BH.



BACK:
With ribber in position and carriage at left, set machine for 1 × 1 rib. Push 79 (83, 87, 91) Ns at left and right of centre 0 to WP. 158 (166, 174, 182) Ns. Push corresponding Ns on ribber to WP. Arrange Ns for 1 × 1 rib. Using col 2, cast on and K 3 circular rows. Carriage is at left. Set carriage for 1 × 1 rib knitting. Set RC at 000. Using MT-4 and col 1, K 39 rows. Using col 2, K 2 rows. Transfer sts to knitter. Set RC at 000. Using MT and col 1, K 10 rows. Cont in patt given in Pattern Note, K to row 124.
Shape Armholes
Shape as shown on diagram to row 144. 106 (114, 122, 130) sts. Place marker at each end. K to row 202.
Shape Back Neck
Push Ns at left of centre 0 and 24 Ns at right of centre 0 to HP. Set russel levers to 1. Shape as shown on diagram to row 210. Cast off rem 25 (29, 33, 37) sts. Push centre 48 Ns to UWP. Using WY, K a few rows in st st and release from machine. Using a transfer tool, push rem Ns from HP to WP. K left part as for right part.

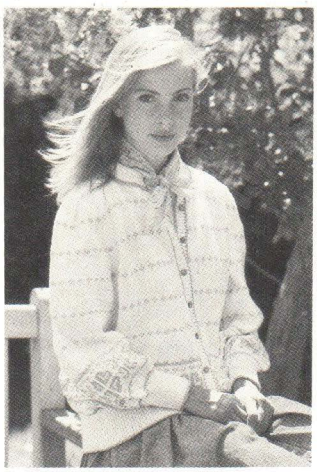
RIGHT FRONT:
With ribber in position and carriage at left, set machine for 1 × 1 rib. Push Ns 4 to 79 (4 to 83, 4 to 87, 4 to 91) inclusive at right of centre 0 to WP. 76 (80, 84, 88) Ns. Push corresponding Ns on ribber to WP. Arrange Ns for 1 × 1 rib. Using col 2, cast on and K 3 circular rows. Carriage is at left. Set carriage for 1 × 1 rib knitting. Set RC at 000. Using MT-4 and col 1, K 39 rows. Using col 2, K 2 rows. Transfer sets to knitter. Set RC at 000. Using MT and



col 1, K 10 rows. Cont in patt given in Pattern Note, K to row 124.
Shape Armhole
Shape as shown on diagram to row 144. 50 (54, 58, 62) sts. Place marker at right edge. K to row 181.
Shape Neck
Shape as shown on diagram. 25 (29, 33, 37) sts. K to row 210. Cast off.

LEFT FRONT:
K as for right front but in reverse.

Continued on page 54



SLEEVES:
Push 58 Ns at left and right of centre 0 to WP. 116 Ns. Using MT and WY, cast on and K a few rows ending with carriage at right. Set RC at 000. Using col 1, K 10 rows. Cont in patt given in Pattern Note and shape as shown on diagram. 130 sts. K to row 124.
Shape Top
Shape as shown on diagram to row 144. Place marker at each end. Shape as shown on diagram to row 194. Cast off rem 34 sts.

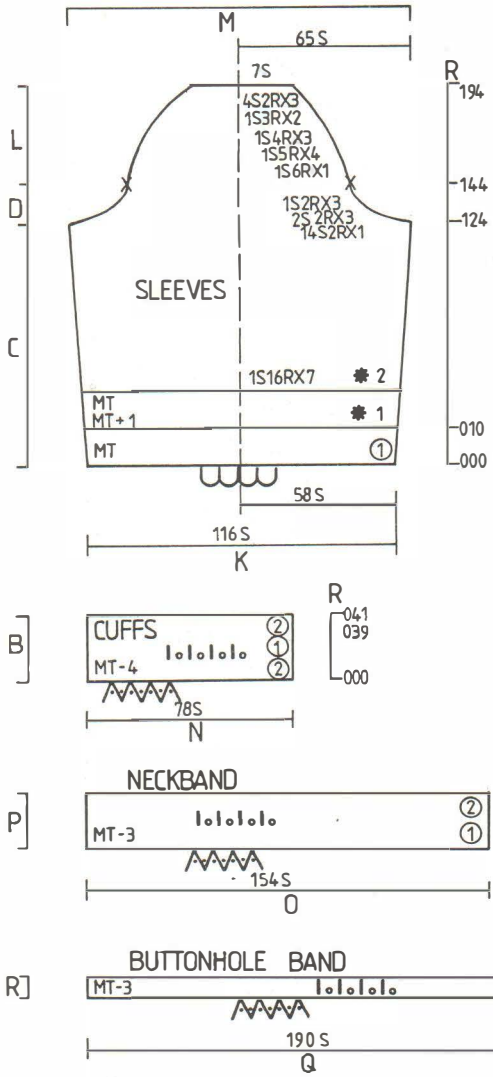
CUFFS:
With ribber in position and carriage at left, set machine for 1 × 1 rib. Using col 2, cast on 78 sts in 1 × 1 rib. K 3 circular rows. Carriage is at left. Set carriage for 1 × 1 rib knitting. Set RC at 000. Using MT-4 and col 1, K 39 rows. Using col 2, K 2 rows. Transfer sts to knitter. With wrong side of sleeve facing, pick up sts from below WY and place on to Ns gathering evenly. Using MT and col 1, K 1 row. Cast off.

NECKBAND:
Join shoulder seams. Push 154 Ns to WP. With wrong side facing, pick up sts around neck edge and place on to Ns. Set RC at 000. Using MT and col 1, K 1 row. Transfer sts to ribber for 1 × 1 rib. Using MT-3, K 30 rows. Using col 2, K 2 rows. Transfer sts to knitter. Cast off sts taking yarn behind gate pegs. Fold in half to right side and backstitch in place close to cast off edge.

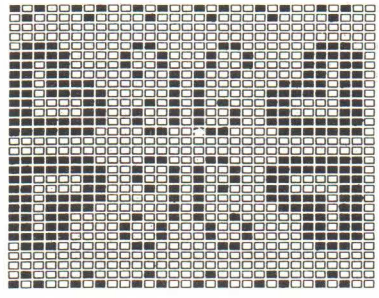
BUTTONHOLE BAND:
With ribber in position and carriage at left, set machine for 1 × 1 rib. Using col 2, cast on 190 sts in 1 × 1 rib. K 3 circular rows. Carriage is at left. Set carriage for 1 × 1 rib knitting. Set RC at 000. Using MT-3 and col 1, K 6 rows. Make 10 evenly spaced buttonholes over 2 Ns. K 4 rows. Using col 2, K 2 rows. Transfer sts to knitter. With wrong side facing, pick up sts along front edge and place on to Ns. Using MT and col 2, K 1 row. Cast off.

BUTTON BAND:
K as for buttonhole band, omitting buttonholes.

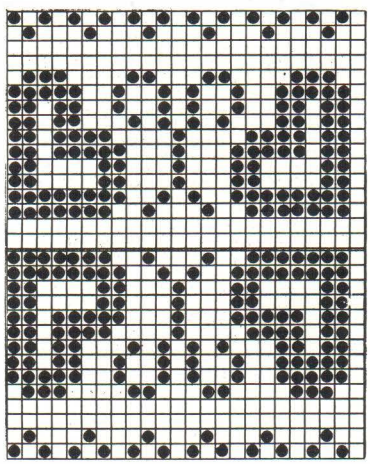
TO MAKE UP:
Pin out to size and steam carefully. Join side and sleeve seams. Set in sleeves, matching markers and making a pleat at shoulder. Finish buttonholes and sew on buttons to correspond. Give final light steam.



A=54[57,60,62.5]CM
B= 8.5CM
C= 32CM
D= 5CM
E= 17CM
F= 8.5[10,11.5,12.75]
G=19CM
H= 2CM
I =26[27.5, 29,30.25]
J =7.5CM
K= 40CM
L= 12.5CM
M= 44.5CM
N = 26.5CM
O = 53CM
P = 7CM
Q = 58.5CM
R = 2.5 CM



ELECTRONIC CHART 1

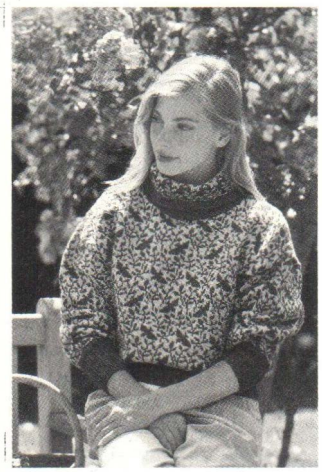


PUNCHCARD 1

PUNCHCARD 2

CHINESE BIRD SWEATER

This beautiful bird pattern in shades of teal and aqua, takes inspiration from the art of Chinese Ming. An easy to knit sweater with clever use of the border pattern which is repeated on the collar.



For standard gauge punchcard and electronic machines with ribbing attachment.

SIZES:
To fit 86–91 (91–101, 106) cms, 34–36 (38–40, 42) inch bust.

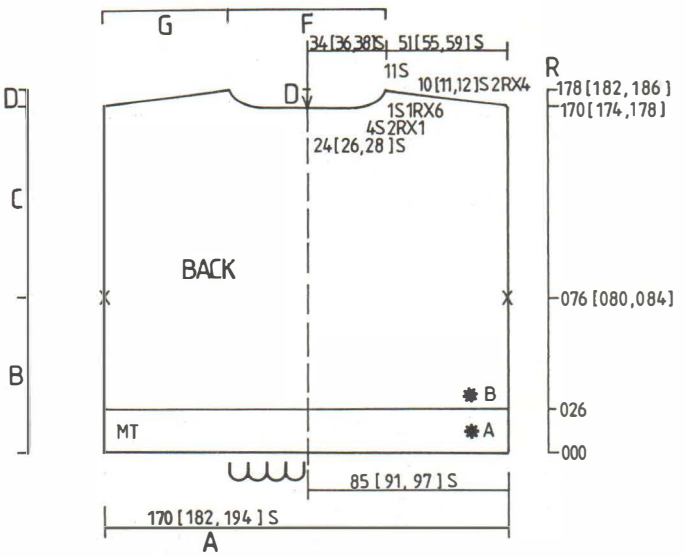
APPROXIMATE YARN TYPE AND AMOUNTS:
Spectrum Linaria.
Col 1 (Juniper) — 230 (250, 270) grms.
Col 2 (Aquarius) — 200 (220, 240) grms.

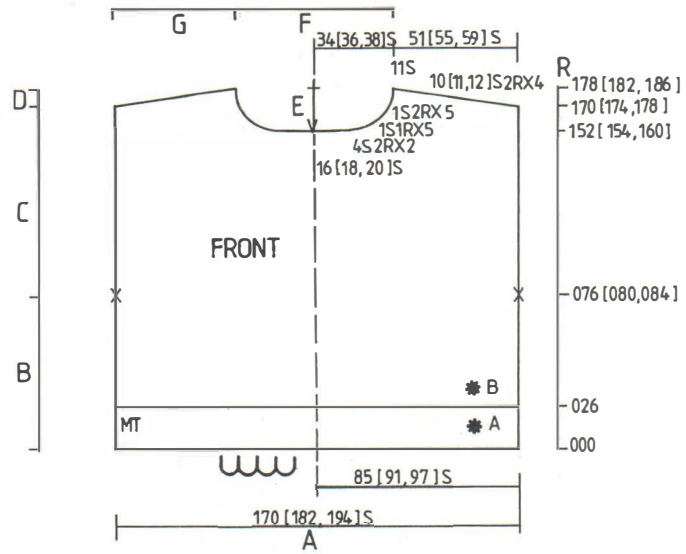
TENSIONS:
Fair Isle — 32 sts and 38 rows to 10 cms. TD at approx 9 (MT).
Stockinet — 32 sts and 42 rows to 10 cms. TD at approx MT-1.

PATTERN NOTE:
Fair Isle — see charts A and B. Insert card A and lock on row 1. Take carriage across twice without knitting. Release card. Set carriage for Fair Isle. Col 1 in feeder 1 and col 2 in feeder 2. K 26 rows. Remove card. Insert card B and lock on row 1. Take carriage across twice without knitting. Release card. Set carriage for Fair Isle. Cont with col 2 in feeder 1 and col 1 in feeder 2 throughout.

If you have any problems locating Spectrum Linaria, please write to the address below for local stockist and mail order information. Please quote this issue of *Modern Machine Knitting*.

Spectrum Yarns Ltd,
Bankwell Road,
Milnsbridge,
Huddersfield,
West Yorkshire HD3 4LU.





BACK:
Push 85 (91, 97) Ns at left and right of centre 0 to WP. 170 (182, 194) Ns. Using WY, cast on ending with carriage at left. Using MT-1 and col 1, K 1 row. Set RC at 000. Using MT, cont in patt given in Pattern Note, K 76 (80, 84 rows). Mark both ends with WY. K to row 170 (174, 178).
Shape Back Neck and Shoulders.
Note position in patt. Shape as shown on diagram to row 178 (182, 186). Cast off rem 11 sts. Keeping patt correct, K left part as for right part.

FRONT:
K as for back to row 152 (154, 156).
Shape Neck
Note position in patt. Shape as shown on diagram to row 170 (174, 178).
Shape Shoulder
Shape as shown on diagram to row 178 (182, 186). Cast off rem 11 sts. Keeping patt correct, K left part as for right part.

Continued on page 56

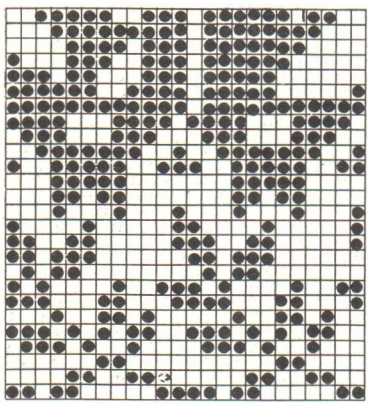
SLEEVES:
Push 45 Ns at left and right of centre 0 to WP. 90 Ns. Using WY, cast on. Using MT-1 and col 1, K 1 row. Set RC at 000. Using MT, cont in patt given in Pattern Note and shape as shown on diagram. 160 sts. K to row 126 (130, 134). Mark centre with WY. Cast off in col 2.

BACK WELT:
Arrange 114 (126, 138) Ns for 1 × 1 rib. Using col 1, cast on. Set RC at 000. Using MT-5, K 40 rows. Transfer sts to knitter. With wrong side of back facing, pick up sts from below WY and place on to Ns gathering evenly. K 2 rows MT+1. Cast off. Rep for front welt.

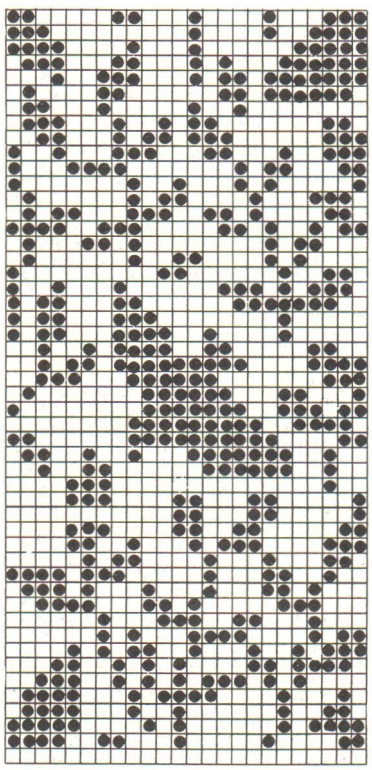
CUFFS:
Arrange 64 Ns for 1 × 1 rib. Using col 1, cast on. Set RC at 000. Using MT-5, K 40 rows. Transfer sts to knitter. With wrong side of sleeve facing, pick up sts from below WY and place on to Ns gathering evenly. K 2 rows MT+1. Cast off.

COLLAR:
Join right shoulder seam. Push 73 (79, 85) Ns at left and right of centre 0 to WP. 146 (158, 170) Ns. Using WY, cast on. Set RC at 000. Using MT-1 and col 1, K 70 rows. Using MT+1, K 1 row. Using MT-1, K 5 rows. Using MT, cont in patt given in Pattern Note. K 19 rows. Cont in stockinet and col 2. Using MT-1, K to row 135. Using Col 1, K 2 rows. Turn up a hem. Using MT+1, K 1 row. With wrong side facing, pick up sts around neck edge and place on to Ns. K 2 rows MT+1. Cast off.

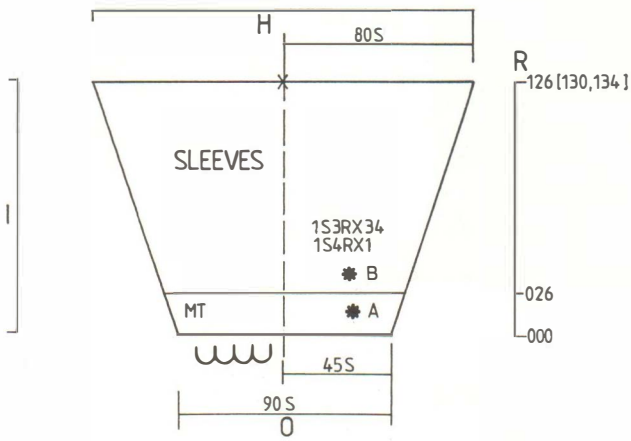
TO MAKE UP:
Pin out to size and steam carefully. Join left shoulder and collar seam. Set in sleeves, between markers. Join side and sleeve seams. Fold collar to outside. Give final light steam.

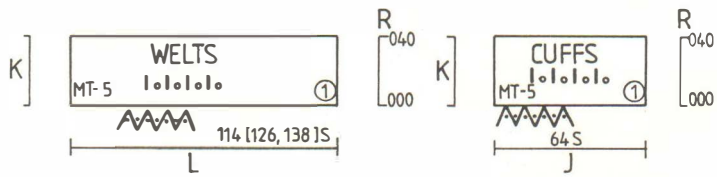


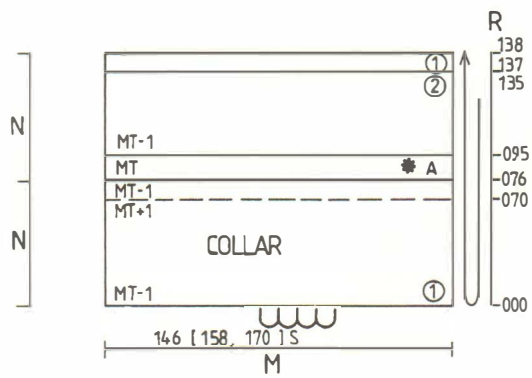
FAIR ISLE PATTERN A



FAIR ISLE PATTERN B







A = 53 [56.5, 60.5] CM	F = 21 [22.5, 23.5] CM	K = 9 CM
B = 20 [21, 22] CM	G = 16 [17, 18.5] CM	L = 35.5 [39.5, 43] CM
C = 25 CM	H = 50 CM	M = 45.5 [49.75, 53] CM
D = 2 CM	I = 33 [34, 35] CM	N = 16.5 CM
E = 5 [5.5, 6] CM	J = 20 CM	O = 28 CM

TILE PATTERN TUNIC

The ideal shape for this season's styles, this longline sweater combines blocks of all-over Fair Isle with single motif squares to create a real tiled effect. The perfect garment for your latest autumn look.

For standard gauge punchcard and electronic machines with ribbing attachment.

SIZES:
To fit 86–96 cms, 34–38 inch bust.

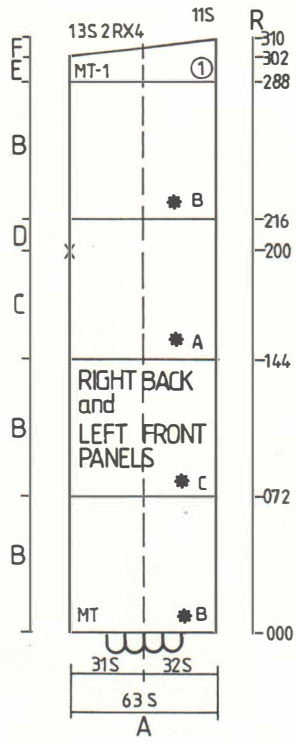
APPROXIMATE YARN TYPES AND AMOUNTS:
Spectrum Linaria 4ply.
Col 1 (Airforce) — 350 grms.
Col 2 (Navy) — 250 grms.

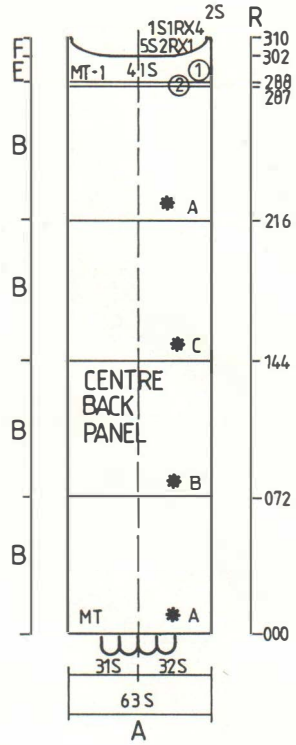
TENSIONS:
Fair Isle Pattern A — 33 sts and 40 rows to 10 cms. TD at approx 8 (MT).
Stocking Stitch — 32 sts and 42 rows to 10 cms. TD at approx MT.

PATTERN NOTE:
Fair Isle — see charts A and B.
Single Motif Fair Isle — see chart C.
Electronic machines — button 2 (left 580) or (right 560).
Fair Isle Pattern A.
Insert card A and lock on row 1. Take carriage across twice without knitting. Release card. Set carriage for Fair Isle. Col 2 in feeder 1, col 1 in feeder 2, K 72 rows. Remove card.
Fair Isle Pattern B.
Insert card B and lock on row 1. Take carriage across twice without knitting. Using col 2, K 1 row st st. Release card. Set carriage for Fair Isle. Col 1 in feeder 1, col 2 in feeder 2, K 70 rows. Remove card. Set carriage for st st. Using col 2, K 1 row.
Single Motif Pattern C.
Insert card C and lock on row 1. Set machine to knit single motif over 12 Ns at left of centre 0 and 12 Ns at right of centre 0. Using col 1, K 10 rows. Release card. Set carriage for Fair Isle. Col 1 in feeder 1, col 2 in feeder 2, K 50 rows. Remove card. Set carriage for st st. Using col 1, K 11 rows. Using col 2, K 1 row.

If you have any problems locating Spectrum Linaria, please write to the address below for local stockist and mail order information. Please quote this issue of *Modern Machine Knitting*.

Spectrum Yarns Ltd,
Bankwell Road,
Milnsbridge,
Huddersfield,
West Yorkshire HD3 4LU.





CENTRE BACK PANEL:
Push 31 Ns at left and 32 Ns at right of centre 0 to WP. 63 Ns. Using MT and WY, cast on and K a few rows ending with carriage at left. Using col 2, K 1 row. Set RC at 000. Cont in Fair Isle patt A, K to row 72. Cont in Fair Isle patt B, K to row 144. Cont in single motif patt C, K to row 216. Cont in Fair Isle patt A, K to row 287. Cont in st st. Using col 2, K 1 row. Using MT-1 and col 1, K to row 302.
Shape Neck
Shape as shown on diagram to row 310. Cast off rem 2 sts. K left part as for right part.

RIGHT BACK PANEL:
Push 31 Ns at left and 32 Ns at right of centre 0 to WP. 63 Ns. Using MT and WY, cast on and K a few rows ending with carriage at right. Using col 2, K 1 row. Set RC at 000. Cont in Fair Isle patt B, K to row 72. Cont in single motif patt C, K to row 144. Cont in Fair Isle patt A, K to row 200. Place marker at left edge. K to row 216. Cont in Fair Isle patt B, K to row 288. Cont in st st. Using MT-1 and col 1, K to row 302.
Shape Shoulder
Shape as shown on diagram to row 310. Cast off rem 11 sts.

LEFT BACK PANEL:
Push 31 Ns at left and 32 Ns at right of centre 0 to WP. 63 Ns. Using MT and WY, cast on and K a few rows ending with carriage at left. Using col 2, K 1 row. Set RC at 000. Cont in single motif patt C, K to row 72. Cont in Fair Isle patt A, K to row 144. Cont in Fair Isle patt B, K to row 200. Place marker at right edge. K to row 216. Cont in single motif patt C, K to row 288. Cont in st st. Using MT-1 and col 1, K to row 302.
Shape Shoulder
Shape as shown on diagram to row 310. Cast off rem 11 sts.

CENTRE FRONT PANEL:
K as for centre back panel to row 290.
Shape Neck
Shape as shown on diagram to row 302. Cast off rem 2 sts. K left part as for right part.

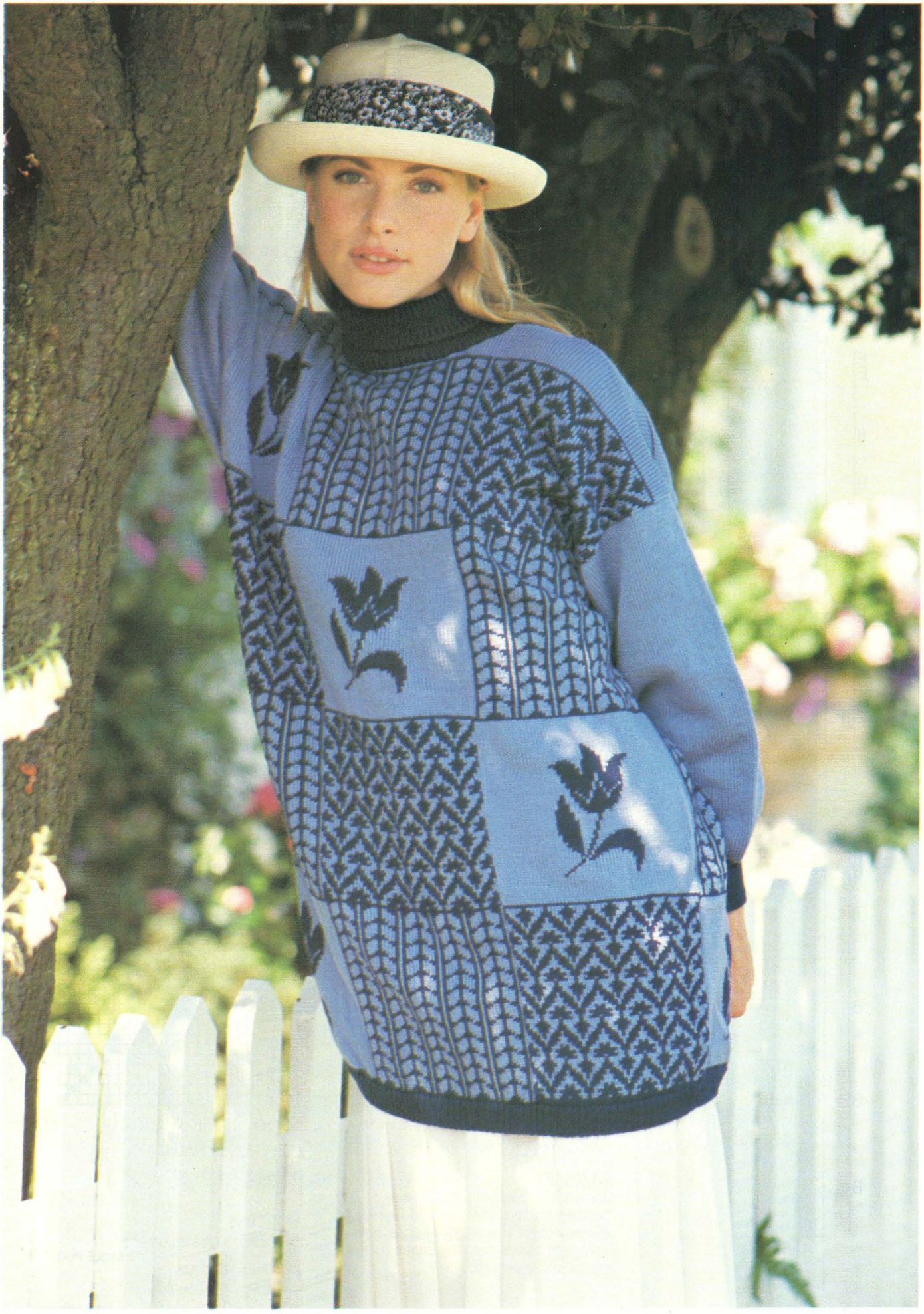
LEFT FRONT PANEL:
K as for right back panel, placing marker at right edge on row 302.

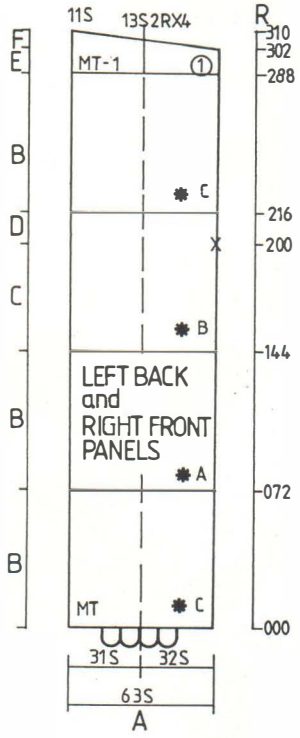
RIGHT FRONT PANEL:
K as for left back panel, placing marker at left edge on row 302.

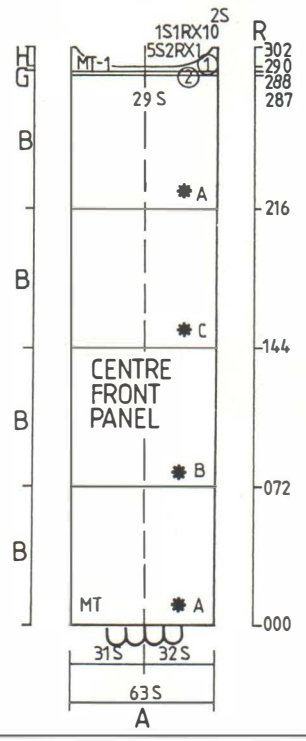
SLEEVES:
Push 46 Ns at left and right of centre 0 to WP. 92 Ns. Using MT and WY, cast on and K a few rows ending with carriage at right. Set RC at 000. Using col 1, shape as shown on diagram. 160 sts. K to row 147. Place marker at centre 0. Cast off.

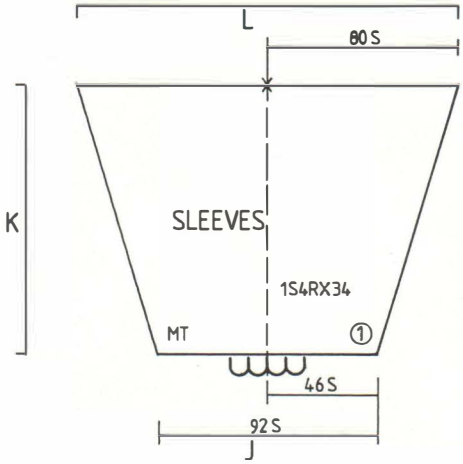
BACK WELT:
Join centre back panel to left and right back panels, matching sections. With ribber in position and carriage at left, set machine for 1 × 1 rib. Using col 2, cast on

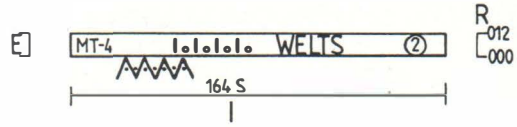
Continued on page 60

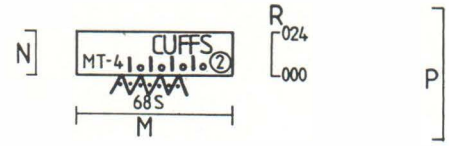


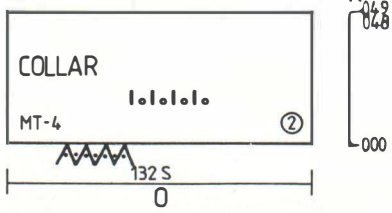




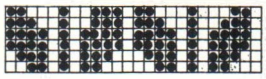




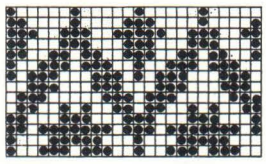




A = 19 CM
B = 18 CM
C = 14 CM
D = 4 CM
E = 3 CM
F = 2 CM
G = 0.5 CM
H = 2.5 CM
I = 49.5 CM
J = 28.5 CM
K = 35 CM
L = 50 CM
M = 20.5 CM
N = 6 CM
O = 40 CM
P = 12 CM



PUNCHCARD CHART A



PUNCHCARD CHART B

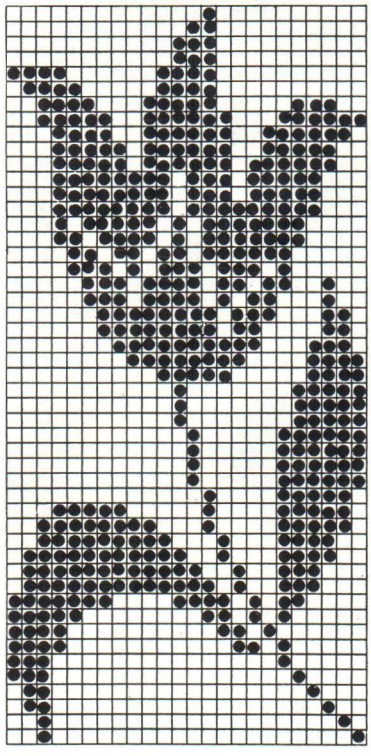
164 sts in 1 × 1 rib. K 3 circular rows. Carriage is at left. Set carriage for 1 × 1 rib knitting. Set RC at 000. Using MT-4, K 12 rows. Transfer sts to knitter. With wrong side facing, pick up sts from below WY and place on to Ns gathering evenly. Using MT+2, K 2 rows. Cast off.

FRONT WELT:
Join centre front panel to left and right front panels up to markers, matching sections. K front welt as for back welt.

CUFFS:
With ribber in position and carriage at left, set machine for 1 × 1 rib. Using col 2, cast on 68 sts in 1 × 1 rib. K 3 circular rows. Carriage is at left. Set carriage for 1 × 1 rib knitting. Set RC at 000. Using MT-4, K 24 rows. Transfer sts to knitter. With wrong side facing, pick up sts from below WY and place on to Ns gathering evenly. Using MT+2, K 2 rows. Cast off.

COLLAR:
With ribber in position and carriage at left, set machine for 1 × 1 rib. Using col 2, cast on 132 sts in 1 × 1 rib. K 3 circular rows. Carriage is at left. Set carriage for 1 × 1 rib knitting. Set RC at 000. Using MT-4, K 48 rows. Transfer sts to knitter. Using MT+2, K 1 row. Cast off.

TO MAKE UP:
Join shoulder seams. Set in sleeves between markers. Join side and sleeve seams, matching sections on sides. Sew collar into position and join centre back seam. Fold to outside.



SINGLE MOTIF CHART C

ELECTRONIC MACHINES:

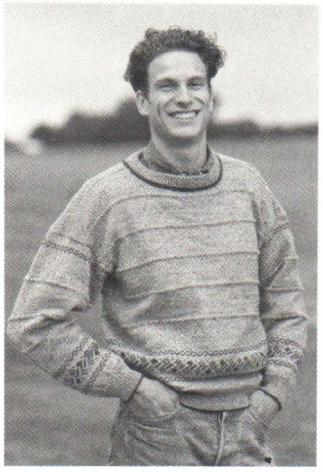
PATTERNS A + B: N1 MARKER AT 12STS LEFT OF 0

PATTERNS C:

N1 MARKER AT 12STS LEFT OF 0.
PATTERN WIDTH 12L-12R K AS SINGLE MOTIF.
PATTERN REVERSE BUTTON.

MAN'S TWEED SWEATER

Combine a soft fleck yarn with a subtle Fair Isle pattern to make this perfect sweater for your man. He'll find it comfortable and casual to wear with jeans or smart enough to team up with toning separates.



For standard gauge punchcard and electronic machines with ribbing attachment.

SIZES:
To fit 96 (101, 106, 112) cms, 38 (40, 42, 44) inch chest.

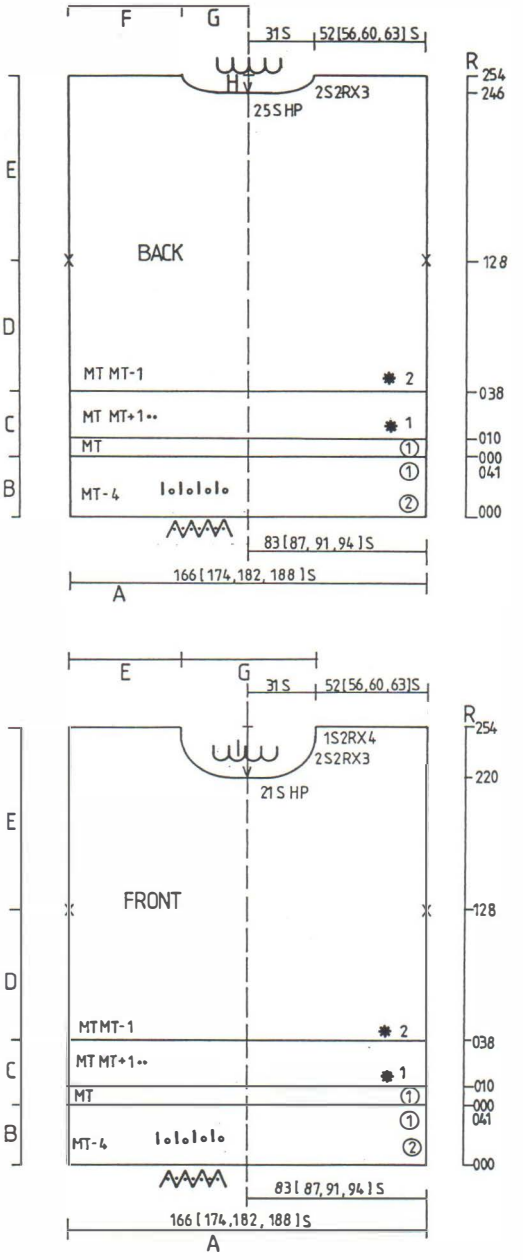
APPROXIMATE YARN TYPES AND AMOUNTS:
Yeoman Country Tweed 4ply.
Col 1 (Birch) — 2 × 450 grm cones.
Col 2 (Ash) — 50 grms.

TENSION:
Stocking Stitch and Tuck Stitch — 30 sts and 45 rows to 10 cms. TD at approx. 8 (MT)/7(MT-1).

PATTERN NOTE:
Fair Isle — see chart 1.
Tuck Stitch Ridges — see chart 2.
Insert card 1 and lock on row 1. Take carriage across twice without knitting. Release card. Set carriage for Fair Isle. Using MT+1 · · and col 1 in feeder 1, col 2 in feeder 2, K 4 rows. Using MT and col 1 in feeder 1, K 4 rows. Using MT+1 · · and col 1 in feeder 1, col 2 in feeder 2, K 12 rows. Using MT and col 1 in feeder 1, K 4 rows. Using MT+1 · · and col 1 in feeder 1, col 2 in feeder 2, K 4 rows. Remove card. Insert card 2 and lock on row 1. Set carriage for st st and cont in col 1. **Using MT, K 30 rows. Release card. Set carriage for tuck st. Using MT-1, K 4 rows. Lock card on row 1. Set carriage for st st**. Rep from ** to ** throughout.

If you have any problems locating Yeoman Country Tweed, please write to the address below for local stockist and mail order information. Please quote this issue of *Modern Machine Knitting*.

Yeoman Yarns,
31 High Street,
Kibworth,
Leicester LE8 0HS.



BACK:
With ribber in position and carriage at left, set machine for 1 × 1 rib. Push 83 (87, 91, 94) Ns at left and right of centre 0 to WP. 166 (174, 182, 188) Ns. Push corresponding Ns on ribber to WP. Arrange Ns for 1 × 1 rib. Using col 2, cast on and K 3 circular rows. Carriage is at left. Set carriage for 1 × 1 rib knitting. Set RC at 000. Using MT-4 and col 1, K 41 rows. Transfer sts to knitter. Set RC at 000. Using MT and col 1, K 10 rows. Cont in patt given in Pattern Note, K to row 128. Place marker at each end. K to row 246.
Shape Back Neck.
Push Ns at left of centre 0 and 25 Ns at right of centre 0 to HP. Set russel levers to 1. Shape as shown on diagram to row 254. Cast off rem 52 (56, 60, 63) sts. Push centre 50 Ns to UWP. Using WY, K a few rows in st st and release from machine. Using a transfer tool, push Ns from HP to WP. K left part as for right part.

FRONT:
K as for back to row 220.
Shape Neck.
Note position in patt. Push Ns at left of centre 0 and 21 Ns at right of centre 0 to HP. Set russel levers to 1. Shape as shown on diagram to row 254. Cast off rem 52 (56, 60, 63) sts. Push centre 42 Ns to UWP. Using WY, K a few rows in st st and release from machine. Using a transfer tool, push Ns from HP to WP. Keeping patt correct, K left part as for right part.

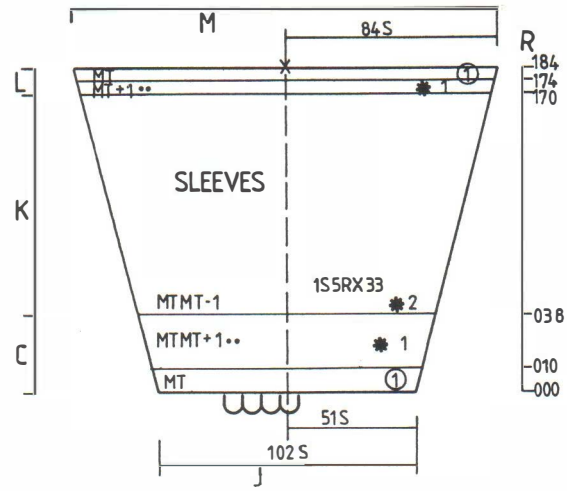
Continued on page 62

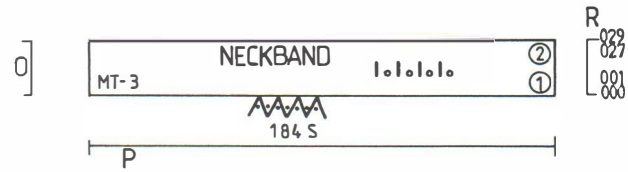
SLEEVES:
Push 51 Ns at left and right of centre 0 to WP. 102 Ns. Using MT and WY, cast on and K a few rows ending with carriage at right. Set RC at 000. Using col 1, K 10 rows. Cont in patt given in Pattern Note and shape as shown on diagram to row 170. Cont in patt from * to *. Using MT, cont in st st and col 1, K to row 184. 168 sts. Place marker at centre 0. Cast off.

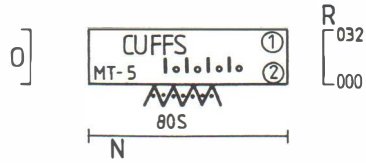
CUFFS:
With ribber in position and carriage at left, set machine for 1 × 1 rib. Using col 2, cast on 80 sts in 1 × 1 rib. K 3 circular rows. Carriage is at left. Set carriage for 1 × 1 rib knitting. Set RC at 000. Using MT-5 and col 1, K 32 rows. Transfer sts to knitter. With wrong side of sleeve facing, pick up sts from below WY and place on to Ns gathering evenly. Using MT, K 1 row. Cast off.

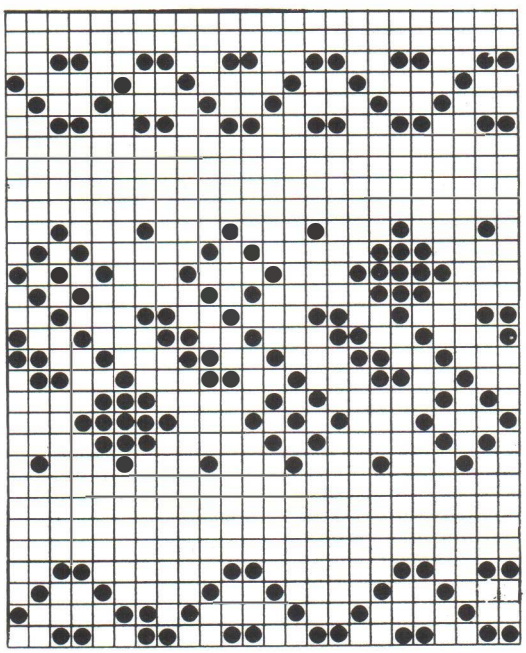
NECKBAND:
Join right shoulder seam. Push 184 Ns to WP. With wrong side facing, pick up sts around neck edge and place on to Ns. Set RC at 000. Using MT and col 1, K 1 row. Transfer sts to ribber for 1 × 1 rib. Using MT-3, K 26 rows. Using col 2, K 2 rows. Transfer sts to knitter. Cast off sts taking yarn behind gate pegs.

TO MAKE UP:
Pin out to size and steam carefully, omitting tuck st ridges. Join left shoulder seam. Set in sleeves between markers. Join side and sleeve seams. Join neckband seam. Fold neckband in half to right side and backstitch in place close to cast off edge. Give final light steam.



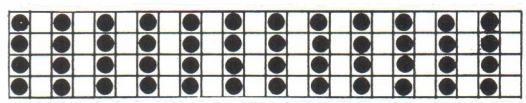






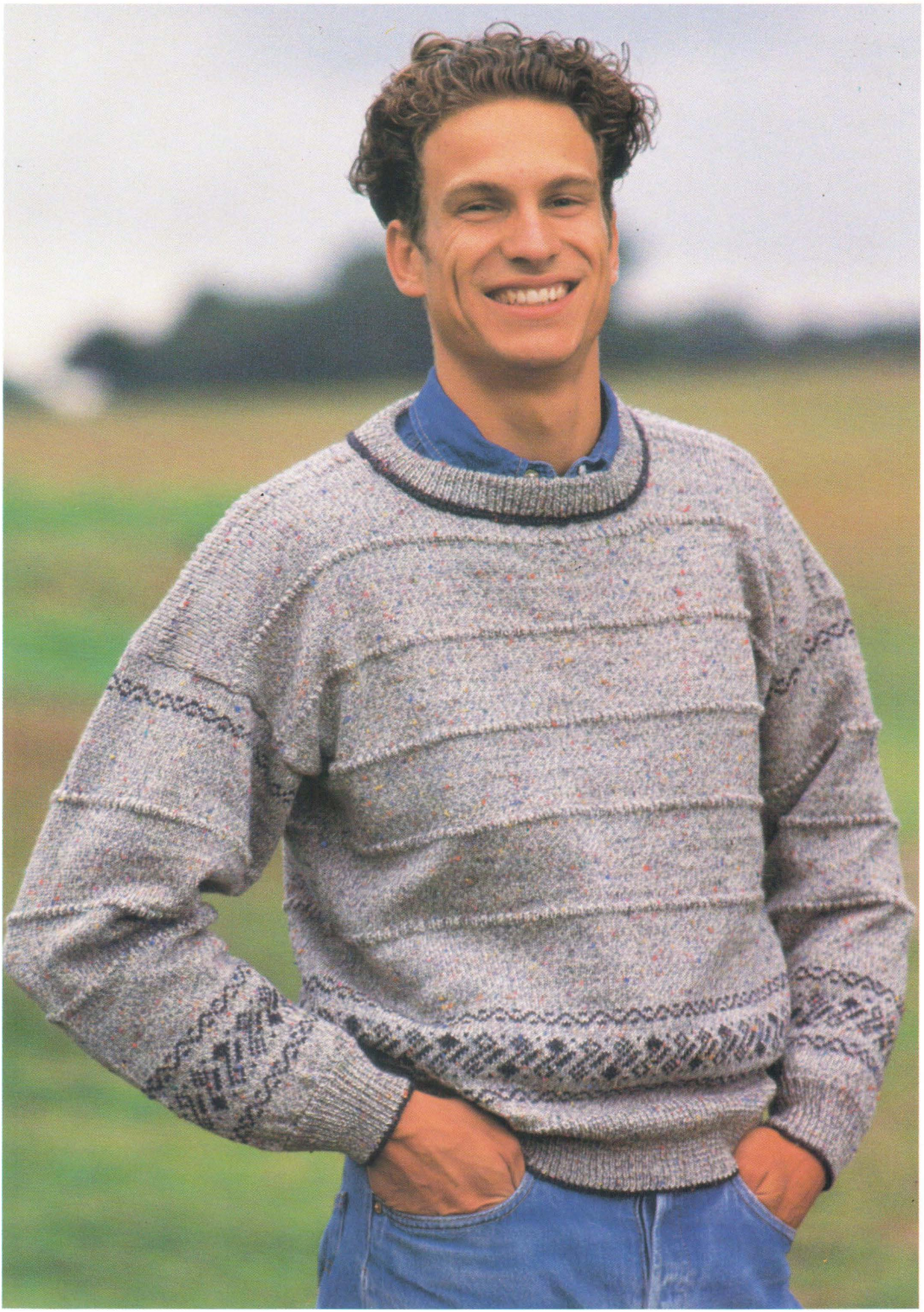
CARD 1

A = 55[58,60.5,62.5]CM	F = 17.25[18.75,20,21]CM	L = 3.5CM
B = 9CM	G = 20.5CM	M = 56CM
C = 10CM	H = 2 CM	N = 26.5CM
D = 20CM	I = 7.5CM	O = 7CM
E = 28CM	J = 34 CM	P = 61CM
	K = 29CM	



CARD 2

Pattern 9



Pattern 10

BABY'S ROMPER SUIT

Your baby will feel extra comfy in this easy fitting, soft cotton all-in-one with 'quick-to-dress' concealed popper fastenings. Knitted in the latest style, this super design can be striped in your own favourite colour combination, or try knitting each pattern piece plain in a different colour.

For standard gauge machines with ribbing attachment.

SIZES:
To fit 0 (3, 6) months.

APPROXIMATE YARN TYPES AND AMOUNTS:
Bramwell Montana.
Col 1 (Harebell) — 180 (210, 250) grms (use 2 ends tog).
Col 2 (Arctic) — 50 (80, 120) grms (use 2 ends tog).
1 metre poppa tape.

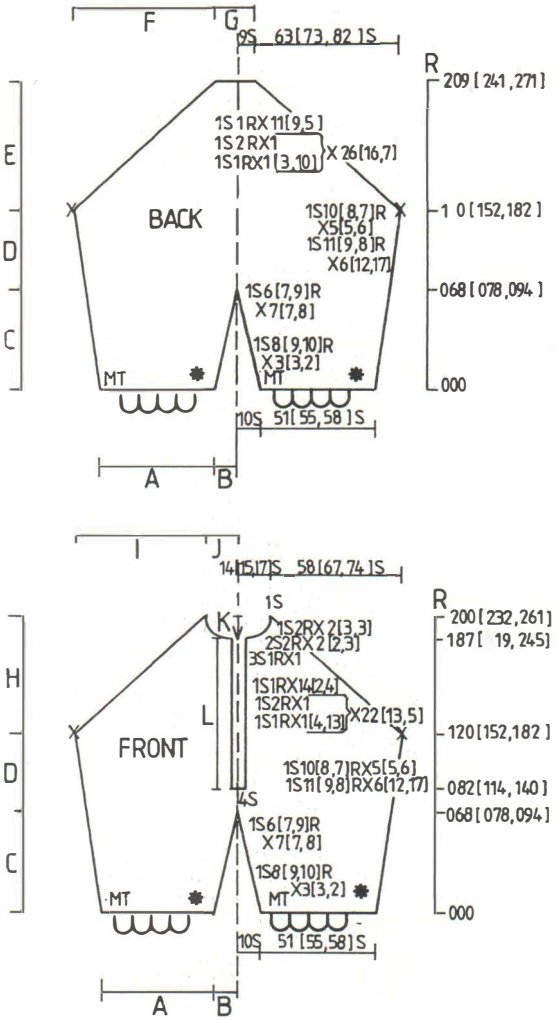
TENSIONS:
Stocking stitch — 34 sts and 52 rows to 10 cms. TD at approx 5 (MT).
1 × 1 rib — 50 rows to 10 cms. TDs at approx MT-4.
Double rib — 32 sts and 50 rows to 10 cms. TDs at approx MT-3.

PATTERN NOTE:
Stripe Pattern — K 4 rows col 1 and 4 rows col 2.

If you have any problems locating Bramwell Montana 2ply cotton, please write to the address below for local stockist and mail order information. Please quote this issue of *Modern Machine Knitting*.

F W Bramwell & Co,
Unit 5,
Metcalf Drive,
Altham Lane,
Altham
Accrington BB5 5TU.

A = 15 [16, 17] CM	L = 20 CM
B = 3 CM	M = 20 [22, 24] CM
C = 13 [15, 18] CM	N = 4 [3.5, 3] CM
D = 10 [14, 17] CM	O = 1.5 [2, 2.5] CM
E = 17 CM	P = 1 CM
F = 18.5 [21.5, 24] CM	Q = 12 [14, 16] CM
G = 5 CM	R = 4 CM
H = 15.5 [15.5, 15] CM	S = 12 [13, 14] CM
I = 17 [19.5, 21.5] CM	T = 2 CM
J = 4 [4.5, 5] CM	U = 34 [38, 42] CM
K = 2.5 [2.5, 3] CM	V = 26 [27, 28] CM



BACK:
Push Ns 11 to 61 (11 to 65, 11 to 68) inclusive at left of centre 0 to WP. 51 (55, 58) Ns. Using MT and WY, cast on and K a few rows ending with carriage at left. Set RC at 000. Cont in stripe patt and shape as shown on diagram to row 68 (78, 94). Break yarn. Push Ns to HP. Take carriage to right. Push Ns 11 to 61 (11 to 65, 11 to 68) inclusive at right of centre 0 to WP. 51 (55, 58) Ns. Using MT and WY, cast on and K a few rows ending with carriage at right. Set RC at 000. Cont in stripe patt and shape as shown on diagram to row 68 (78, 94). Push Ns at left from HP to UWP. Cont to shape as shown on diagram to row 120 (152, 182). 144 (164, 182) sts. Place marker at each end.
Shape Raglan Armholes
Shape as shown on diagram to row 209 (241, 271). Cast off rem 18 sts.

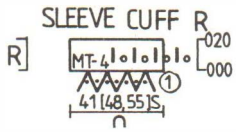
FRONT:
K as for back to row 82 (114, 140).
Front Opening
Shape as shown on diagram to row 120 (152, 182). 68 (78, 87) sts. Place marker at right edge.
Shape Raglan Armhole
Shape as shown on diagram to row 187 (219, 245).
Shape Neck
Shape as shown on diagram to row 200 (232, 261). Fasten off rem st. K left part as for right part.

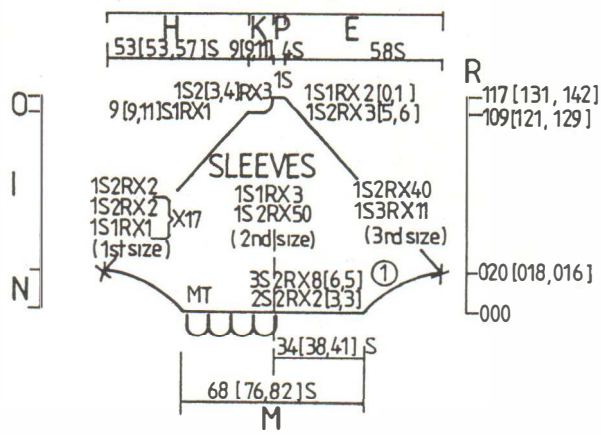
RIGHT SLEEVE:
Push 34 (38, 41) Ns at left and right of centre 0 to WP. 68 (76, 82) Ns. Using MT and WY, cast on and K a few rows ending with carriage at right. Set RC at 000. Using col 1, shape as shown on diagram to row 20 (18, 16). 124 sts. Place marker at each end.
Shape Raglan Top
Shape as shown on diagram to row 109 (121, 129). 18 (18, 22) sts. Shape as shown on diagram to row 117 (131, 142). Fasten off rem st.

LEFT SLEEVE:
K as for right sleeve but in reverse.

Continued on page 66

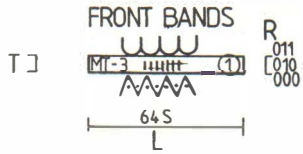
SLEEVE CUFFS:
Pin out to size and steam carefully. With ribber in position and carriage at left, set machine for 1 × 1 rib. Using col 1, cast on 41 (48, 55) sts in 1 × 1 rib. K 3 circular rows. Carriage is at left. Set carriage for 1 × 1 rib knitting. Set RC at 000. Using MT-4, K 20 rows. Transfer sts to knitter. With wrong side of sleeve facing, pick up from below WY and place on to Ns gathering evenly. Using MT+2, K 1 row. Cast off.

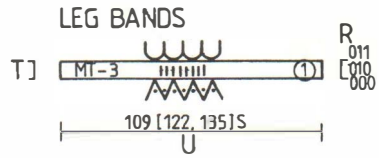




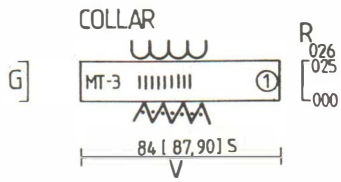
LEG CUFFS:
Join raglan side and sleeve seams. With ribber in position and carriage at left, set machine for 1 × 1 rib. Using col 1, cast on 41 (45, 48) sts in 1 × 1 rib. K 3 circular rows. Carriage is at left. Set carriage for 1 × 1 rib knitting. Set RC at 000. Using MT-4, K 15 rows. Transfer sts to knitter. With wrong side facing, pick up sts from below WY and place on to Ns gathering evenly. Using MT+2, K 1 row. Cast off.

FRONT BANDS (KNIT 2):
With ribber in position and carriage at left, set machine for double rib. Using col 1, cast on 64 sts in double rib. K 3 circular rows. Carriage is at left. Set carriage for double rib knitting. Set RC at 000. Using MT-3, K 10 rows. Transfer sts to knitter. Using MT, K 1 row. Using WY, K a few rows and release from machine.





INSIDE LEG BANDS (KNIT 2):
With ribber in position and carriage at left, set machine for double rib. Using col 1, cast on 109 (122, 135) sts in double rib. K 3 circular rows. Carriage is at left. Set carriage for double rib knitting. Set RC at 000. Using MT-3, K 10 rows. Transfer sts to knitter. Using MT, K 1 row. Using WY, K a few rows and release from machine.



COLLAR:
With ribber in position and carriage at left, set machine for double rib. Using col 1, cast on 84 (87, 90) sts in double rib. K 3 circular rows. Carriage is at left. Set carriage for double rib knitting. Set RC at 000. Using MT-3, K 25 rows. Transfer sts to knitter. Using MT, K 1 row. Using WY, K a few rows and release from machine.

TO MAKE UP:
Backstitch front bands into position, overlap lower ends and catch down. Backstitch inside leg bands and collar into position. Sew poppa tape to front bands and leg bands. Give final light steam.

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TOYOTA KS901 lace carriage, tools, instruction books, as new, punchcards, £200 ono. Tel: 081-363 9298 (Enfield, Middx).

BROTHER KH710 with lace carriage and ribber, also transfer carriage, very good condition, £220 ovno. Tel: (0727) 872746 (St Albans).

BARGAINS. Space required. Singer System 9000 plus motor double bed colour changer, £1,500 ono. Also Zippy De Lux with ribber, lace carriage, KR7 double bed colour changer, linker, extras, £450 ono. Tel: (0723) 371559 (Scarborough).

PASSAP 6000 Electronic with motor, Tricofit, V100E and manual/video, free tuition, 8 months old, £1,500 ono. Tel: (0527) 550574 (Redditch).

SISAN smoothing iron, super for acrylic garments, velvet, etc, as new and seen at all major shows, half price, £10. Tel: (0249) 815090 (Calne, Wilts).

BROTHER 836 and table, £135 or exchange for Chunky knitting machine. Tel: (0203) 312452 (Coventry).

DRESSMAKERS model, fully adjustable, size 12–16, good condition, £25. Tel: (0927) 428701 (Northwood, Middx).

BOND with extensions, instructions, numerous patterns and magazines, new Intarsia keyplate, all in zipped carrybag, £65. Tel: (0903) 46024 (W Sussex).

JONES 588 push button machine and ribber,

Classified

FOR SALE

knits Fair Isle, lace and ribs, instruction and beginner's tuition books included plus pattern books, £50 ono. Tel: (0767) 51189 (Cambridge).

KNITMASTER 321 punchcard machine, £95. Tel: 081-785 9197 (Putney).

PFAFF Duomatic 80 four colour changer, Deco forma on stand, punchcards and tools, instruction books, lots of wool and patterns, £450 ono. Tel: (0438) 351907 (Stevenage).

KNITMASTER 700 with lace carriage, Intarsia built in, punchcards, punch, pattern books, £350. Ann Kite instructional video tapes, £20 each. Tel: (0843) 290609 (Margate).

KNITMASTER 360KL with Knitradar and lace carriage, ribber SRP60, table with Rexine cover and Angle Piose lamp, many accessories, very good condition, £375 ono. Tel: 021-458 4412 (Birmingham).

BROTHER 891, lace carriage, punchcards, built-in knitleader, £225 ono. Going electronic. Tel: (0297) 444705 (Lyme Regis).

BROTHER 881 knitleader, lace/Intarsia carriages, £280 plus postage. Brother 940 electronic 850, ribber/transfer carriage/single bed, colour changer, £900. Both vgc. Tel: (0487) 812698 (Ramsey, Cambs).

TRANSFER carriage, £15. Punch, £7. Wool winder, £7. Beatrix Potter knitting book, Patricia Roberts and Knitwear Revolution Fashion Extras, all hardbacks, £12 the lot. Tel: (0279) 414173 (Harlow).

KNITMASTER 326, £145. Knitting table, £12. Intarsia carriage, £15. Cone winder, £15. Tel: (0428) 605443 (Surrey).

BROTHER 260 chunky machine plus 850 ribber, Intarsia carriage, knitleader, patterns, £600. Tel: (0766) 87594 (Trawsfynydd).

BROTHER 890 knitting machine, £220 ono. Horn cabinet and bench, as new, £200. Tel: (0322) 339271 (Dartford).

PPD110 Brother, hardly used, £200 ono. Garter bar set, suit Japanese machines, £20. Tel: (0329) 284579 (Fareham).

BROTHER 910 knitting machine (electronic), ribber, lace carriage, extension rails, Intarsia carriage, tools, instruction books, excellent condition, space needed, £520 ono. Tel: (0684) 565784 (Malvern, Worcs).

BROTHER 830 ribber, recently serviced, £100. KA8310 linker, still boxed, hardly used, £60. KA8210 Intarsia carriage, never used, £25. Tel: (0924) 379243 (Wakefield).

KNITMASTER KR7 radar with extra stitch scales and chart set, £70. KR6 radar charts, £1 each set. Weaving attachment, £30. Ribber carrying case, £10. Tel: (0922) 642509 (Walsall).

KNITMASTER 326, built-in knitradar, instruction manuals, punchcards, recently serviced, excellent condition, £150. Tel: (0460) 53209 (Ilminster).

KNITMASTER 700K knitting machine with SRP60N ribber, SC3 linker plus extras, £430. LC2 lace carriage, £80. All excellent condition. Gone electronic. Tel: (0404) 83502 (Honiton).

PASSAP Duo 80 four colour changer, Deco U80 U70 tools, instruction and pattern books, etc, unwanted gift, £400 ono. Tel: (0453) 547500 (Dursley).

BROTHER 840 punchcard, lace carriage, good condition, £200 ono. Also Knitmaster 120 Chunky plus ribber, £150 ono. Brother semi automatic sewing machine, portable, £35. Tel: (0532) 606860 (Leeds).

BROTHER 836 punchcard knitting machine, lace carriage, extra punchcards and Horn knitting cabinet, will separate, both excellent condition, £300. Tel: (0273) 501194 (Hove).

TOYOTA KS901 knitting machine, KR501 ribber, K33 tracer, lace carriage, plaiting unit, punchcards, pattern books, extensions, weights, all tools, table, winder, £300. Tel: 081-941 1569 after 7pm (W Molesey).

POWER drive for Singer knitting machine, £100. Tel: (0243) 773298 (Chichester).

FOR SALE

OWING to illness: magnificent machine, little used, Knitmaster 580PE1, £600. SRP50 ribber, £100. Tel: (0484) 684093 (Huddersfield).

KNITMASTER 150 Chunky ribber, needle selector, all accessories, vgc, £300. Knitradar £50. Tel: (0602) 382583 (Notts).

BROTHER KH260 Chunky punchcard, ribber, knitleader, manuals, punchcards, punch, KA2600 Intarsia carriage, KHC820A colour changer, woolwinder, £550. Tel: (0727) 58615 (St Albans).

BROTHER KH836 with ribber, linker, plus punch, books, wool, including table, vgc, £425 ono. Tel: (0788) 535598 (Rugby).

WANTED

KG88 MII G/carr, Toyota Knit-tracer (new) KA33A — £50, Toyota F/isle P/cards 12 st £3, unwanted gifts (new). Tel: (0205) 79439 (Boston).

RIBBER KR13 to fit Singer 2500 or 2600 machine, Bellinky linker also wanted, must be good condition and reasonable price. Please ring with details. Tel: (0900) 604759 (Cumbria).

BROTHER KG89 garter carriage, good condition. Tel: (0524) 62004 (evenings/weekends please) (Lancaster).

ELECTRONIC linker. Tel: 081-878 8464 (Richmond).

BOOKS required for knitting club library, must be good condition and cheap please. Not interested in magazine back numbers. Tel: (0273) 464821 (Shoreham).

KNITMASTER punchcard, 6mm gauge machine 160, good condition. Also KR7 Knitradar. Tel: (0325) 710363 (Fakenham).

CIRCULAR hosiery machine in good working order with instruction book. Tel: (0427) 613777 (Gainsborough).

KAMALINI Trentham Video Knit Steam and Cut VHS. Tel: (0983) 405646 (Isle of Wight).

KNITMASTER 100, not Chunky, steel bed, blue borders, 160–166? needles, stitch dial 1–14. Must be good condition, reasonable price. Tel: (0402) 453658 (Upminster).

FOR recent Brother 890 beginner: MMK magazines, etc up to May 1991, for patterns, tips. Also Intarsia carriage. Within car distance best, save postage. Tel: (0458) 241343 (S Somerset).

MACHINE Knitters Guide to Creating Fabrics by Susannah Lewis and Machine Knitting: Hand Tooling Techniques by Susan Guagliumi. Other books bought. Tel: 051-727 8313 after 6pm (Liverpool).

DRIVE knit stitch patterns for KM120, also Ribmasters in WO for Knitmaster 4500 and 6500 Super Plus, and underwear patterns for children/ladies. Tel: (0259) 62127 (Alva, Scotland).

SWAP

FOR my Brother 830 would swap for a Chunky. Tel: 5179177 (Essex).

BROTHER 881, standard gauge, lace carriage, Knitleader, plus Brother 230 Chunky, both excellent condition for Brother 950. Tel: (0697) 8453 (Carlisle).

SINGER double-bed, electronic 2310, for Knitmaster 360, ribber not needed. Tel: (0533) 856041 (Leicester).

BROTHER 950 for Brother 860/881/891 with cash difference or sell £575 ono. Brother 230, £150 ono. Tel: (0914) 172039 (Washington).

KNITMASTER 700K standard gauge punchcard machine with built-in Knitradar for Knitmaster 155 Chunky, good condition please. Tel: (0752) 845201 (Plymouth).

260 Chunky with ribber, Intarsia, patterns, punchcards for Passap Duo 80 four colour changer, Deco, form computer, in good condition, or sell £490. Tel: (0724) 842910 (Scunthorpe).

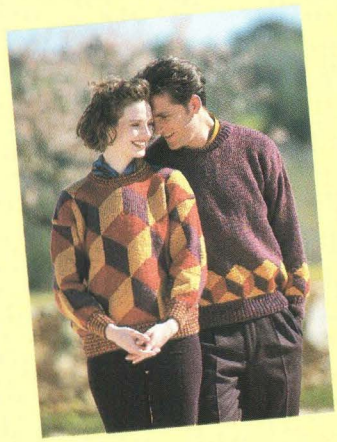
Modern Machine Knitting

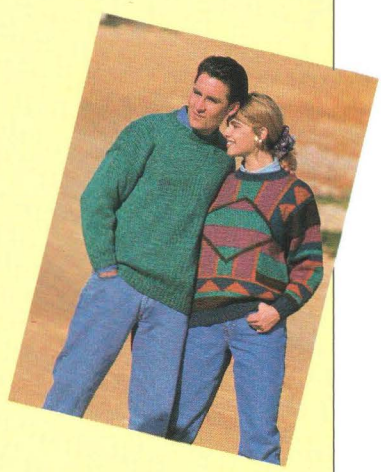
CHUNKY SUPPLEMENT

Just to get you in the mood for winter knits and cooler days, we're giving you an EXTRA selection of super CHUNKY designs to knit in our November issue of Modern Knitting.

CHUNKY PRIZES

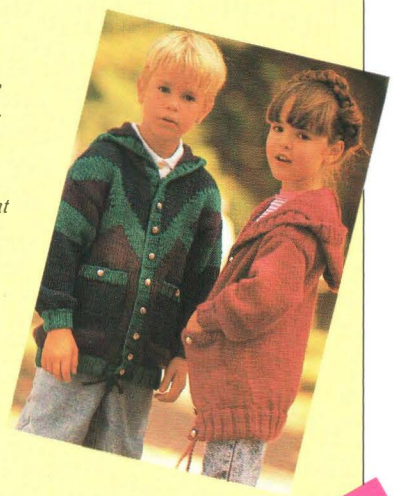
If a chunky machine is that special item you've been hoping to add to your knitting room, don't miss your chance to WIN one of the special SILVER REED *models which are being given away next month in our* CHUNKY COMPETITION.





DECORATIVE HEMS

It's coming up to the party season again, so give yourself plenty of time to knit some really special garments. If you want to attract attention, it is important to utilise your knitting skills to produce a spectacular effect. With this in mind, we'll take a look at some really different and striking ways to decorate your hemlines.



PLUS

All our regular features, hints, tips, techniques and advice — and lots more beautiful designs and patterns for the whole family.

ON SALE

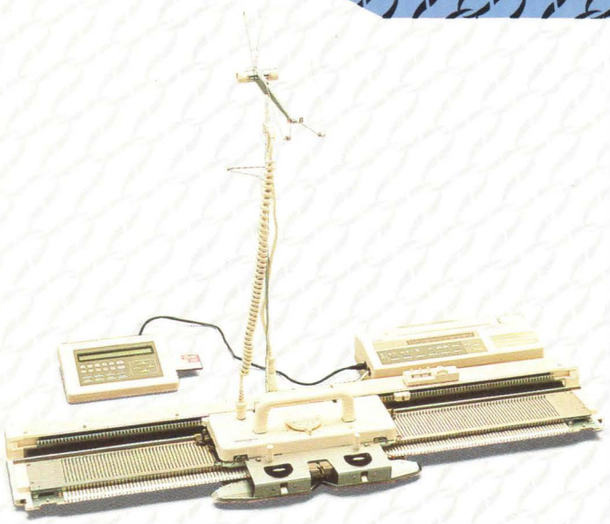
The November issue of Modern Knitting will be in your shops on 17 October. Make sure you don't miss it.

COMING NEXT MONTH

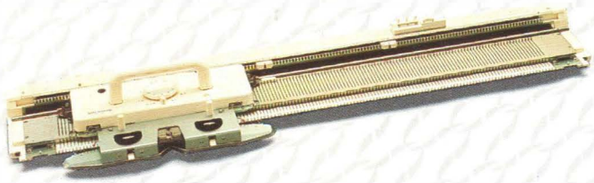
A PEARL OF A SYSTEM FROM SILVER

And our low prices add up to a golden opportunity to boost dramatically both the speed and variety of your knitting projects.

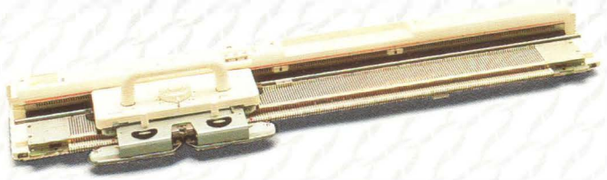
The Silver Modular Electronic Knitting System is based on four easy-to-change and whisper-quiet beds of the highest quality. So you'll be able to set just the right gauge and tension for any yarn - and each gives you a wide range of stitch options at the touch of a single lever. Attachments permit even greater stitch and pattern variety. And as the beds and attachments are each sold separately, you buy only as you need to.



SK 890 *Chunky gauge*
Knits Mohair, Aran, Chunky



SK 860 *Double Knitting gauge*
Knits 4 ply, DK, Aran, Mohair



SK 840 *Standard gauge*
Knits 2 ply, 3 ply, 4 ply

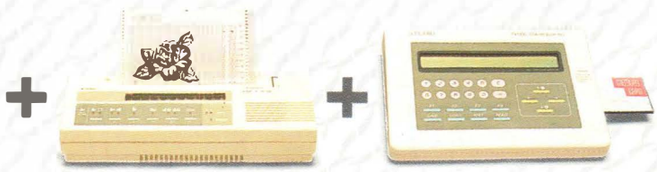
AVAILABLE OCTOBER 1991

SK 830 *Fine gauge*
Knits 1 ply, 2 ply, 3 ply

The Silver EC1 Pattern Controller gives you great flexibility.

Just one is needed for all four beds. Use any of the 50 pre-printed designs - or draw your own on easy-to-use pattern cards. Cards and books from previous models are also compatible. Additionally, you can vary your patterns at the touch of a button: from doubling the height to changing single bed patterns into Double Jacquard designs and more.
And the second Stitch Width Indicator lets you select any part of a pattern to create extra designs - with no programming required.

Silver EC1 *Pattern Controller*



Silver PE1 *Design Controller*

The Silver PE1 Design Controller means big is beautiful.

No longer will it be a problem to expand your designs: add this option to your system and you can increase your patterns from 60 stitches to the full width of the bed, control complicated 3 colour slip patterns with ease, and create non-repeating patterns of up to 220,000 stitches. When you've finished, you can store your patterns on the memory card - and you can also choose a pattern from one of the optional pre-programmed memory card sets.

With the new Silver Modular Electronic Knitting System, the only thing built in is choice - and learning to use it takes no time at all.

Silver. Putting you in control.

SILVER
DISTRIBUTORS UK & EIRE
SILVER REED
KNITTING MACHINES

For a free demonstration visit your local Dealer NOW

For a brochure:
Send a 9"x12" stamped addressed envelope to:
Silver Knitting Machines Ltd., Unit 1, 10 Wandle Way, Willow Lane Trading Estate, Mitcham, Surrey CR4 4TE.